



**Tri-Service CADD/GIS
Technology Center**

Tri-Service Standards

Part 1 ó A/E Deliverables

 1.1 A/E/C Deliverables

 1.2 GIS Deliverables

Part 2 ó A/E/C CADD Standards

 Main Text and Appendices A, B, C, and D

 Appendices E and F

Part 3 ó Spatial Data Standards

Part 4 ó Facility Management Standards

Contents

Preface	v
1 — General	1
Acronyms	1
Scope	1
Purpose	1
Background	1
International System of Units (SI) Considerations	2
Future Technologies	2
Interchangeable Terminology	2
Target Systems	3
Additions/Revisions	4
2 — Drawing File Organization	5
Design Cube	5
File accuracy (units)	5
Drawing units/working units recommendations	6
Origin (Global Origin)	6
Model Files and Sheet Files	7
Electronic Drawing File Naming Conventions	8
Industry standard model file naming convention	9
Industry standard sheet file naming convention	10
Tri-Service optional model file naming convention	11
Tri-Service optional sheet file naming convention	13
Coordination Between Sheet File Name and Sheet Identifier	13
3 — Graphics Concepts	14
Presentation Graphics	14
Line widths	14
Line types/styles	15
Line color	16
Screening (Halftoning)	17
Text styles/fonts	17
Plotting	20
Border Sheets	20
Sheet sizes	20
Title block	20
Drawing Scales	23
SI and inch-pound text sizes	24

Dimensioning in Metric (SI)	26
Millimeters	26
Meters	26
Large units of measure	26
Dual units	27
 4 — Level/Layer Assignments	28
Levels/Layers	28
Level/Layer naming convention	30
Model Files	31
Level/Layer assignment tables	32
Border sheets	34
Seed files/prototype drawings	34
Reference files (XREFs)	34
Sheet Files	36
Level/Layer assignment tables	36
Development of sheet files	37
 5 — Standard Symbology	38
Introduction	38
Electronic Version of the Symbology/Elements	38
Line styles	38
Tabulated Version of the Symbology/Elements	38
GIS - Related Symbols	40
 6 — Tri-Service A/E/C Workspace	41
Introduction	41
 7 — Deliverables and Data Exchange	42
General	42
Delivery Media	42
Format	43
Documentation	43
Hard Copy	43
Ownership	43
 References	45
Appendix A	A1
Appendix B	B1
Appendix C	C1
Appendix D	D1

Preface

The “A/E/C CADD Standards Manual” has been developed by the Tri-Service CADD/GIS Technology Center (TSTC) to reduce redundant CADD standardization efforts within the Army, Navy, Air Force and Corps of Engineers. The manual is part of an initiative to consolidate existing CADD drafting standards and to develop data standards that address the entire life cycle of facilities within the Department of Defense tri-services.

Chapters 1-7 of this manual address topics such as presentation graphics, level/layer assignments, electronic file naming, and standard symbology. Appendices A-F contain tables on model and sheet file level/layer names, drawing type codes, color comparisons with associated line widths, as well as A/E/C CADD symbology. As this manual evolves, it will also include non-graphic database standards that address issues such as cost engineering and specification generation. The TSTC’s primary goal is to develop a CADD standard that is generic enough to operate under various CADD software packages (such as MicroStation® and AutoCAD®) and incorporate existing industry/national standards. In the final phase of the standards development, platform-specific software will be provided to implement the standards on hardware platforms available through the Navy’s Installations Management/Facilities CAD2 (IM/FCAD2) contract.¹

Mr. Harold L. Smith is Chief of the TSTC, which is located in the Information Technology Laboratory (ITL), U.S. Army Engineer Waterways Experiment Station (WES),

Vicksburg, MS. The Director of ITL is Dr. N. Radhakrishnan. At the time of publication of this report, the Director of WES was Dr. Robert W. Whalin and the Commander was Colonel Robin R. Cababa.

National CADD Standard

In 1995, the combined resources of the Tri-Service CADD/GIS Technology Center, the American Institute of Architects (AIA), the Construction Specifications Institute (CSI), the United States Coast Guard, the Sheet Metal and Air Conditioning Contractors National Association (SMACNA), the General Services Administration (GSA), and the National Institute of Building Sciences’ (NIBS) CADD Council began an effort to develop a single CADD standard for the United States. Working together, these organizations agreed to develop an integrated set of documents that collectively would represent the *National CADD Standard* (see Table 1 for each organization’s responsibility).

A Memorandum of Understanding (MOU) was signed on August 8, 1997. In the spirit of that MOU, Release 1.7 of the A/E/C CADD Standards follows, utilizes, or references the work developed by each of the signatories. The two main documents referenced within Release 1.7 of the A/E/C CADD Standards are :

- “The Uniform Drawing System”
The Construction Specifications Institute
601 Madison Street
Alexandria, VA 22314-1791
<http://www.csinet.org>

¹ The Installations Management/Facilities CAD2 (IM/FCAD2) contract is a computer hardware/software/services contract awarded to both Tracor Incorporated and Intergraph Corporation in 1993.

- “CAD Layer Guidelines”
The American Institute of Architects Press
1735 New York Avenue, N. W.
Washington, D.C. 20006
<http://www.aia.org>
- NIBS CADD Council
National Institute of Building Sciences
1090 Vermont Avenue, N. W., Suite 700
Washington, D.C. 20005-4905
<http://www.nibs.org>

Each of these documents can currently be obtained from the authoring agency. Once the documents are reviewed and approved through the NIBS CADD Council, they will become part of the National CADD Standard. Additional information on the National CADD Standard can be obtained from :

Once the National CADD Standard is adopted, the A/E/C CADD Standards manual will become an appendix (or supplement) to the National CADD Standard and will address Tri-Service specific requirements that are not covered in the National CADD Standards.

The contents of this report are not being used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products.

Table 1
National CADD Standards Responsibilities

Section	CSI	AIA	TSTC	Other	NIBS
Layering and Model File Naming	Assist	Develop & Publish	Assist	N/A	Consensus
Drawing Set Organization and Sheet File Naming	Develop & Publish	Review	Assist	N/A	Consensus
Sheet Organization	Develop & Publish	Assist	Assist	N/A	Consensus
Schedules	Develop & Publish	Review	Assist & Publish	N/A	Consensus
Plotting Guidelines (Color, line weights, pen assignments)	Review	Review	Develop & Publish	Coast Guard - Develop	Consensus
Drafting Conventions including notations, symbols, diagrams, scales and line types	Develop & Publish	Assist	Develop & Publish	Coast Guard and SMACNA - Develop	Consensus
Attributes	Review	Review	Develop & Publish	IAI, Vendors, Trade Associations - Develop & Publish	Consensus

1 General

Acronyms

First, a few useful acronyms:

- A/E/C - Architectural, Engineering, and Construction
- AIA - American Institute of Architects
- CADD - Computer-Aided Design and Drafting
- CSI - Construction Specifications Institute
- DoD - Department of Defense
- FM - Facility Management
- GIS - Geographical Information System
- IAI - International Alliance for Interoperability
- ISO - International Organization for Standardization
- MDS - Modular Design System
- SAD - South Atlantic Division, Corps of Engineers
- SI - International System of Units (Système International d'Unités)
- TSTC - Tri-Service CADD/GIS Technology Center
- UDS - Uniform Drawing System

Scope

This manual provides guidance and procedures for preparing CADD products within the DoD tri-services.

Purpose

The purpose of this manual is to set basic CADD standards to ensure consistent electronic deliverables (products) within the DoD tri-services. As part of a comprehensive installation life cycle management strategy, this manual sets

CADD standards specifically for the architectural, engineering, and construction disciplines of facilities development. As this manual evolves, it will be integrated with other standards initiatives by the TSTC such as A/E Deliverables, GIS Spatial Data, and Facility Management.

Background

The immediate benefits of CADD standards are many: consistent CADD products for customers; uniform requirements for architect-engineer deliverables; sharing of products and expertise; and collection, manipulation, and exchange of database information. Recognizing such potential benefits, each of the tri-service agencies independently initiated efforts to establish CADD standards in the late 1980's. The Air Force Logistics Command (1989) released the "Architectural and Engineering Services for CADD Implementation Within Air Force Logistics Command." Headquarters, Department of the Army (1990), published Engineer Manual 1110-1-1807, "Standards Manual for U.S. Army Corps of Engineers Computer-Aided Design and Drafting (CADD) Systems." In 1993, the Naval Facilities Engineering Command distributed its "Policy and Procedures for Electronic Deliverables of Facilities Computer-Aided Design and Drafting (CADD) Systems."

To consolidate these efforts into a single standard, the TSTC was tasked to develop standards for the A/E/C disciplines, facility management, and GIS planning. This manual represents the TSTC's effort at standardizing CADD requirements for A/E/C design and construction documents. To facilitate the use of this manual, a supplementary software

package will be provided that automates the use of the standards. This software will allow the operator to select preset system variables to align with the requirements of the “A/E/C CADD Standards Manual” to ensure consistent and easy compliance with the standards (see Chapter 6 “Tri-Service A/E/C Workspace”).

International System of Units (SI) Considerations

For this standards manual, the impact of the SI, or the more commonly referred to metric system, is addressed on such items as drawing scales, sheet sizes, and dimensioning. The SI was established by the General Conference of Weights and Measures of 1960, as interpreted or modified from time to time for the United States by the Secretary of Commerce under the authority of the Metric Conversion Act of 1975 and the Metric Education Act of 1978. As of January 1, 1992, in accordance with Public Laws 94-168 and 100-418, and Executive Order 12770, all new and revised construction standards and criteria must be developed using the SI.

Future Technologies

There are several ongoing initiatives to create a universal language for collaborative work in the area of building and construction software. This work stems from the need to automate current building and construction tasks to become more efficient and cost effective. One of these initiatives is by the International Alliance for Interoperability (IAI), a non-profit building industry alliance comprised of architects, engineers, contractors, software vendors, government agencies, research labs, and universities. The goal of the IAI is to unite the AEC/FM business by specifying Industry Foundation Classes (IFCs) as a universal language. The concept behind the IFCs is to create a series of standard intelligent software objects for the building industry which allow all

process disciplines (i.e., architects, designers, engineers, builders, facilities managers, etc.) to exchange information. The IAI is developing IFCs that allow current software packages such as AutoCAD and MicroStation to share building and construction data. IFCs would improve the quality of a building’s life cycle from construction through maintenance and ultimately to demolition. These improvements would result from reductions in expense and delivery time, enhanced communications, and an increase in discipline proficiency.

A prerequisite towards this effort is to deploy mechanisms capable of retaining knowledge during the project life cycle. The utilization of Intelligent Object Classes (IOCs) can serve this purpose. An IOC gathers information during the progression of the project and makes it available to the involved participants. Starting from the design phase, IOCs collect additional data about an object, for example, 'how to design' or 'how to construct' that particular object. The structure of an IOC contains information about the following:

- generic attributes of common use (e.g., i.d., material)
- methods to support specialist tasks (e.g., volume calculations)
- CAD representation information including geometry and topology
- Inter-relationship dependencies to other objects.

In tandem with the IAI effort, the TSTC is developing non-graphic attribute data as part of the A/E/C CADD Standards. This attribute information will be distributed for review in 1999.

Interchangeable Terminology

Within the various commercially available CADD systems, many identical or related concepts are given different names. To aid users of this manual, some instances of related or

interchangeable terminology used in MicroStation and AutoCAD are listed in Table 2.

Target Systems

This manual is not targeted toward any specific CADD system. However, to ensure successful translations among CADD applications, certain “system-specific” characteristics were considered and the standards

adjusted accordingly. In preparing the standards, several baseline decisions were made:

- The Standards must be applicable to commercially available CADD packages. AutoCAD Release 13 and MicroStation Version 95 were chosen based on their dominance in the DoD tri-services and their availability to the tri-service through the Installations Management/Facilities CAD2 contract.

Table 2
Interchangeable Terminology

MicroStation	AutoCAD	Definition
Integer d/b	64-bit floating point d/b	The method for storing drawing attribute data.
Disk-based	Memory-based	Where drawing data is stored until the active file is closed.
Auxiliary Coordinate System (ACS)	User Coordinate System (UCS)	An XYZ coordinate system where the origin is selected by the user.
Active	Current	File or object in use.
Cell	Block	Single or multiple entities grouped together to create a single element.
Dimension attributes	Dimensions styles	Controls the appearance of dimension elements.
.dan	.dwa	A DOS-based extension for drawing files.
Drop	Explode	Converts an element into multiple entities.
Dynamic update	Dragmode/rubberbanding	Display of element(s) being drawn or modified as pointer/cursor moves on the screen.
Element	Entity	A single object contained in a drawing.
Fit	Zoom all	Displays all graphics currently in the drawing file.
Global origin/design cube	World Coordinate System/Origin	Defines the location(s) of all entities in a design/drawing using the Cartesian Coordinate System.
Identify/accept	Select/pick	Entity or entities chosen for manipulation or modification.
Image	Slide	A screen capture of graphics in raster format.
Key entry field	Command prompt	Allows for keyboard input from users.
Key point snap	Object snap (Osnap)	Controls the selection location for entities.
Levels	Layers	Used as transparent overlays for display graphics.
Line style	Linetype	Defines the appearance of lines.
Linestring	Polyline	Connected line segments.
Locate tolerance	Pickbox	Identification/selection limits for the drawing cursor.
MDL/Visual BASIC	ARX	System-specific command language.
Message field	Status line	Displays current drawings status and/or text output from the application.
Monument point	Insertion point	Benchmark point used to place objects in a drawing.
Move element	Move	Relocation of entities.
Patterning	Hatching	To fill an area within a drawing with a symbolic texture.
Precision key in	Coordinate entry	User-defined XYZ values.
Reference file	External reference	A design/drawing file attached to an active drawing.
Seed file	Prototype drawing	A drawing design template file.
Tentative/Data point	Pointing/pick point	A point within the drawing selected using a pointing device.
Update	Redraw/Regenerate	Refreshes screen display.

- The standards are based on CADD applications that utilize layer/level names and reference files.
- The standards require every final plotted drawing sheet to have its own separate electronic drawing file.
- Since 2-D MicroStation files are not compatible with 3-D files, it is recommended that all drawings be created as 3-D files.

subsequent updates will reflect the input and needs of CADD users within the tri-services.

Recommendations or suggested additions should be sent to:

Tri-Service CADD/GIS Technology Center
 USAE Waterways Experiment Station
 ATTN: CEWES-ID-C/Spangler
 3909 Halls Ferry Road
 Vicksburg, MS 39180-6199

Or by e-mail at: spangls@ex1.wes.army.mil

Additions/Revisions

These standards are intended to be neither static nor all-inclusive and thus will be updated and enhanced as appropriate. Suggestions for improvements are strongly encouraged so that

2 Drawing File Organization

Design Cube

The two most extensively used CADD applications within the DoD tri-service, AutoCAD and MicroStation, manage the available drawing area in an electronic file differently. MicroStation has a limited drawing area (design cube) composed of individual points that restrict the physical size of any drawing (Figure 1).

MicroStation's design cube has 4,294,967,296 points in each axis (x, y, z) of the design cube. These points are called positional units (PU). Positional units are grouped into larger units called subunits (SU), and subunits are grouped into even larger units called master units (MU). Together, these groups are called working units (MU:SU:PU). By defining the values of working units, the MicroStation user defines the measurable limits of the design cube. For example, the working units for most architectural drawings (feet-inches) are 1:12:8000 (MU = feet, SU = inches). With these working units, a design cube of 44,739 feet per side is created (see calculation).

$$4,294,967,296 \div (12\text{in./ft.} \times 8000) = 44,739.24\text{ ft.}$$

For an SI (metric) drawing with working units of 1:1:10 (MU = millimeters, SU = none), the design cube has a length of 429,496,729 millimeters per side (see calculation).

$$4,294,967,296 \div (1\text{mm} \times 10) = 429,496,729.6\text{ mm}$$

In contrast, AutoCAD's approach provides for a drawing area with infinite range in each positive and negative axis (x,y,z).

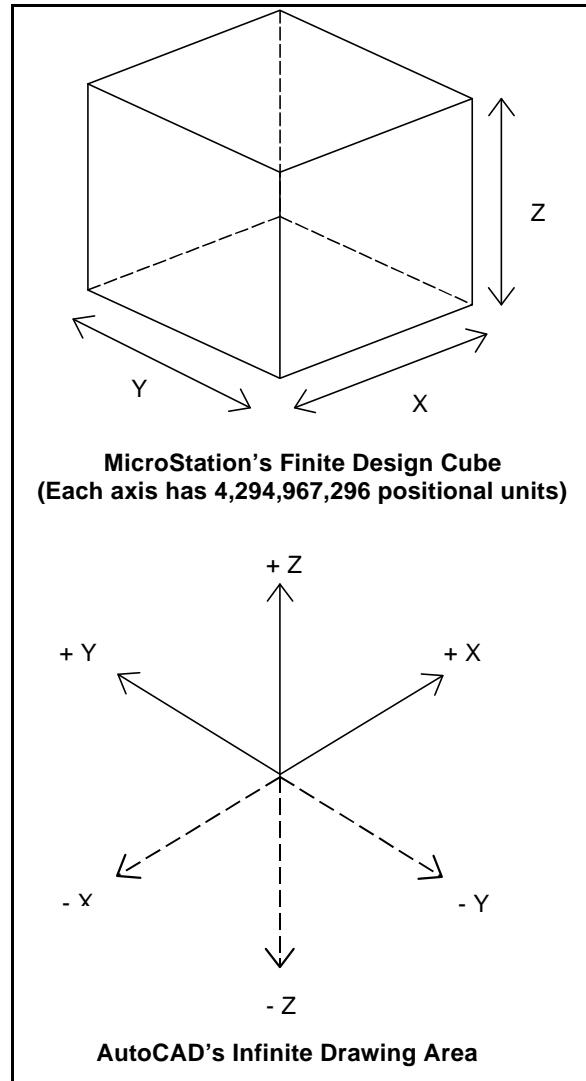


Figure 1. Available Drawing Size

File accuracy (units)

CADD systems allow the designer to work in “real world” units. The most common units are feet and inches, feet and tenths of feet, meters, and millimeters.

MicroStation's approach to file accuracy allows the user to set the "working units" (i.e., "real world" units) as:

Master Units (MU) = The largest unit that may be referred to when working in the design file (e.g., feet, meters).

Subunits (SU) = Units that master units are divided into in the working unit definition (e.g., inches, millimeters).

Positional Units (PU) = The smallest unit that may be addressed in the design file. The number of positional units per subunit determines the drawing's precision and the size of the design cube.

In AutoCAD, the basic drawing unit for any file is the distance between two fixed Cartesian coordinates. For example, the distance between coordinates (1,1,1) and (1, 1, 2) is one drawing unit. A drawing unit can correspond to any measurement (e.g., inch, foot, meter, mile). AutoCAD users may enter the "Units" display option to set the desired drawing units (also called "report format").

The "Units" command of AutoCAD Release 13 does not have a direct metric system setup. For metric designs, the recommended procedure is to choose the "decimal" report format in the units



Figure 2. AutoCAD Units Dialog Box

display option (Figure 2). This will allow each drawing unit to represent decimal meters, millimeters, etc. at the discretion of the user.

Drawing units/working units recommendations

Recommendations for working units in MicroStation design files are shown in Table 3.

Release 1.4 of the Tri-Service A/E/C CADD Standards recommended inch-pound working units of 1:12:254 (MU:SU:PU). These working units allow simple conversion between inch-pound and metric drawings, but only dimensions reliably to 1/8 in.. The new inch-pound working units of 1:12:8000 allow greater accuracy to 0.001 of 1/8 in. (i.e., 1000 positional units per 1/8 in.). Also, these working units allow users to measure evenly to the nearest 1/16 in. (i.e., 500 positional units per 1/16 in.).

Note: Any drawings previously designed with working units of 1:12:254 will not be compatible with the new drawings created with working units of 1:12:8000. The old drawings can be made compatible by resetting the working units to the new standard and scaling the drawing by a scale factor of 31.496.

AutoCAD users should choose either the architectural (feet and inches), engineering (feet and tenths), or decimal (suitable for meters, or millimeters) report formats as provided in the "Units" command screen.

Origin (Global Origin)

Positioned within every electronic drawing file is an origin ("global origin" in MicroStation and "origin" in AutoCAD). A drawing file's origin is important because it serves as the point of reference from which all other elements are located. Origins are typically defined (located) in a drawing file by the Cartesian coordinate system of x, y, and z (Figure 3).

Table 3**MicroStation Working Units and Global Origins**

Units	MU	SU	PU	Design Cube Size	Recommended Global Origin
Imperial (A/E/C)	1 (ft)	12 (in)	8000	44,739 ft/side	GO = 22369.6213, 22369.6213, 22369.6213
Imperial (Civil/Site, Civil Works, Geotechnical, Survey/Mapping)	1 (ft)	100	10	4,294,967 ft/side	GO = 0, 0, 2147483.648
Metric (A/E/C)	1 (mm)	1	10	429,496,724 mm/side	GO = 214748364.8, 214748364.8, 214748364.8
Metric (Civil/Site, Civil Works, Geotechnical, Survey/Mapping)	1 (m)	1000	1	4,294,967 m/side	GO = 0, 0, 2147483.648
Metric (Mechanical Machine Design)	1 (mm)	1000	1	4,294,967 m/side	GO = 2147483.648, 2147483.648, 2147483.648

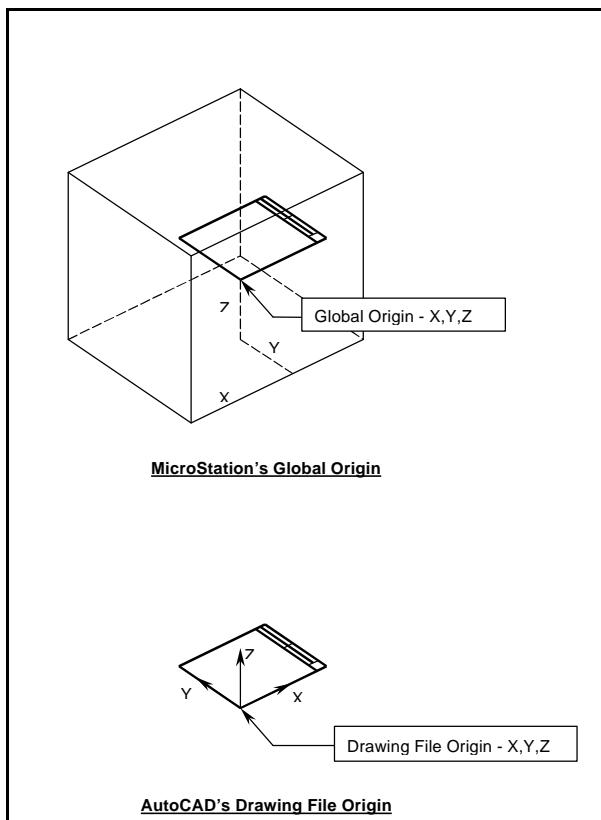


Figure 3. Origins in MicroStation and AutoCAD

The benefit of standardizing the location of a drawing's origin is most notable in the use of reference files (see section "Reference Files (XREFs)" in Chapter 4). Also, in certain disciplines, particularly mapping, the origin's location determines the available drawing area (MicroStation only). A standardized origin is also helpful when translating files between CADD applications. Origin recommendations are given in Table 3 (Note: for AutoCAD users the recommended global origin will be 0,0,0).

Note to MicroStation users: *The location of the global origin does not affect the size of the design cube, but does limit the range of the positive and negative x, y, and z positional units. For example, a design file with the global origin located in the center of the design cube limits the number of positional units in each axis (x, y, and z) to 2,147,483,648.*

Model Files and Sheet Files

There are two distinct types of CADD files addressed in these standards: model files and sheet files.

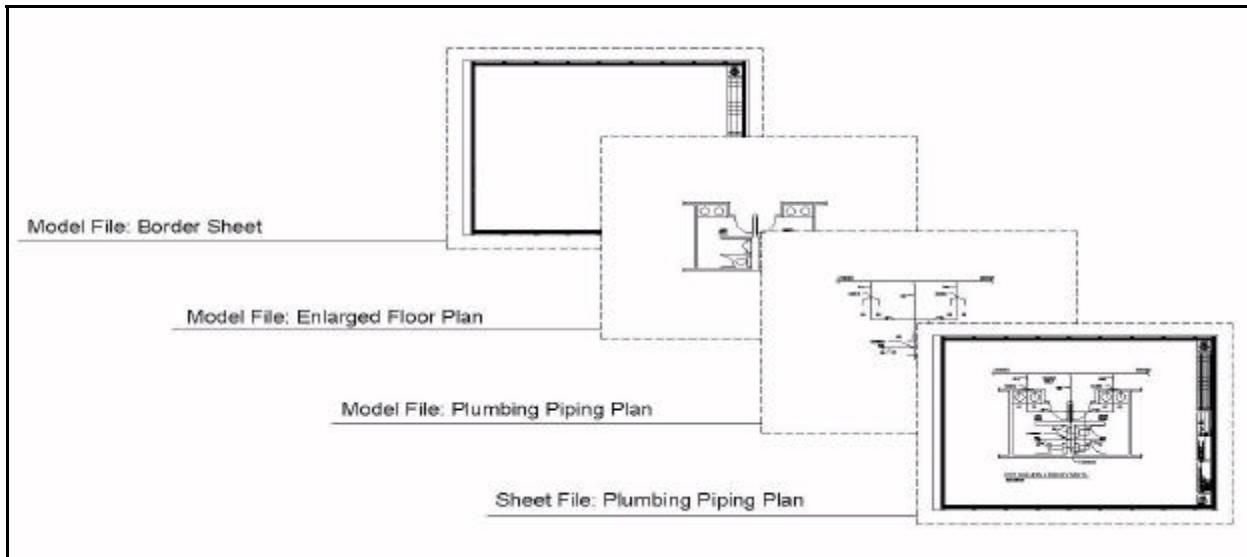


Figure 4. Sheet File Composition

A model file contains the physical components of a building (e.g., columns, walls, windows, ductwork, piping, etc.). Model files are drawn at full scale and typically represent plans, elevations, sections, etc.

Note: *MicroStation users should create model and sheet files using three-dimensional seed files for both two-dimensional and three-dimensional designs.*

A sheet file is synonymous to a plotted CADD drawing file. A sheet file is a selected view of the model file(s) within a border sheet. Sheet files are usually plotted at full scale (1=1), since the model files are referenced into the sheet file at a particular scale ratio. In other words, a sheet file is a “ready-to-plot” CADD file.

The illustration in Figure 4 demonstrates how different model files are referenced to a sheet file (notice that the border sheet is a model file). A sheet file is the combination of referenced model files with sheet-specific text/symbols to create a final “ready-to-plot” CADD file. A useful AIA rule of thumb states: “Model files are always referenced by other files, while sheet files are never referenced by other files.”

Electronic Drawing File Naming Conventions

Naming conventions for electronic drawing files (both model files and sheet files) allow CADD users to determine the contents of a drawing without actually displaying the file. They also provide a convenient and clear structure for organizing drawing files within project directories. The standard naming conventions provided within this manual are based on the eight-character file name limitation of the DOS operating system. To accommodate the more common conventions currently used within the DoD tri-services, this manual provides two acceptable file naming methodologies. These methodologies are the Industry Standard and the Tri-Service Optional.

Note: *Most current operating systems allow for file names longer than eight characters. However, some file transfer methods (e.g., CD-ROM writers, e-mail) are not able to handle long file names and will truncate the name down to eight-characters. Therefore, this standard will continue to promote eight-character file names until this limitation is resolved.*

Note: *The Industry Standard file naming conventions are those developed by the AIA (model file naming) and CSI (sheet file naming) as part of the National CADD Standard Initiative.*

Industry standard model file naming convention

The Industry Standard model file naming convention has two sets of two-character fields followed by a four-character user-definable field (see Figure 5).

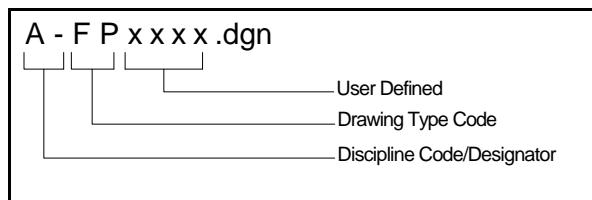


Figure 5. Industry Standard Model File Naming Convention.

The first two-character field represents the *Discipline Code/Designator*. The allowable characters for this field are listed in Table 4 (Note: the second character of this field is, in most cases, a hyphen. However, this character can be used to further define a discipline code (e.g., kitchen equipment would be designated as QK, see note on page 11). The second two-character field represents the *Drawing Type Code* (see Table 5). The final four-character field is user-definable.

Example 1: The name for a simple Architectural Demolition Plan model file would be:

A-DP.dgn/dwg

Example 2: For a building that has multiple floors, a possible model file name for an architectural demolition plan for Floor 1 would be:

A-DPF1.dgn/dwg

Table 4
Industry Standard Discipline Codes/Designators

Discipline	Character
General	G
Hazardous Materials	H
Civil	C
Landscape	L
Structural	S
Architectural	A
Interiors	I
Equipment	Q
Fire Protection	F
Plumbing	P
Mechanical	M
Electrical	E
Telecommunications	T
Resource	R
Other Disciplines	X
Contractor/Shop Drawings	Z

Table 5
Industry Standard Drawing Type Codes

Discipline	Code	Definition
<i>All Disciplines</i>		
	FP	Floor Plan
	SP	Site Plan
	DP	Demolition Plan
	QP	Equipment Plan
	XP	Existing Plan
	EL	Elevation
	SC	Section
	DT	Detail
	SH	Schedule
	3D	Isometric/3D
	DG	Diagram

Architectural (A-)

	CP	Ceiling Plan
	EP	Enlarged Plan
	NP	Finish Plan
	RP	Furniture Plan

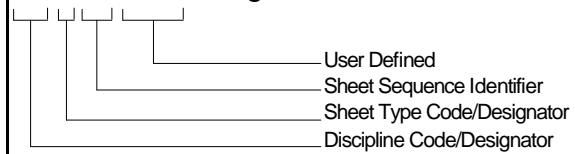
Table continues on next page

Table 5 (continued)**Industry Standard Drawing Type Codes**

Discipline	Code	Definition
<i>Civil (C-)</i>		
	EP	Environmental Plan
	GP	Grading Plan
	RP	Road/Topographic Plan
	SV	Survey Plan
	UP	Utility Plan
<i>Electrical (E-)</i>		
	CP	Communications Plan
	GP	Grounding Plan
	LP	Lighting Plan
	PP	Power Plan
<i>Fire Protection (F-)</i>		
	VP	Evacuation Plan
	KP	Sprinkler Plan
<i>Interiors (I-)</i>		
	CP	Ceiling Plan
	EP	Enlarged Plan
	NP	Finish Plan
	RP	Furniture Plan
<i>Mechanical (M-)</i>		
	CP	Control Plan
	HP	HVAC Ductwork Plan
	PP	Piping Plan
<i>Plumbing (P-)</i>		
	PP	Plumbing Plan
<i>Structural (S-)</i>		
	FP	Framing Plan
	NP	Foundation Plan
<i>Telecommunications (T-)</i>		
	DP	Data Plan
	TP	Telephone Plan

Industry standard sheet file naming convention

The Industry Standard sheet file naming method (see Figure 6) standardizes the first two characters as the *Discipline Code/Designator* (see Table 4 and note on page 11), the third

A- 1 01 XXX .dwg**Figure 6. Industry Standard Sheet File Naming Convention**

character as the *Sheet Type Code/Designator* (see Table 6), and the fourth and fifth characters as the *Sheet Sequence Identifier* (01-99). The remaining three characters are user-definable.

Example 1: The file name for a simple Architectural Floor Plan sheet file would be:

A-101.dgn/dwg

Example 2: For a building that is divided into multiple quadrants and multiple floors, a possible sheet file name for an architectural floor plan showing Floor 2, Quadrant C, would be:

A-101F2C.dgn/dwg

Table 6
Industry Standard Sheet Type Codes/Designators

Drawing Type	Characters
General (symbols, legend, notes, etc.)	0
Plans (horizontal views)	1
Elevations (vertical views)	2
Sections (sectional views)	3
Large Scale (plans, elevations, or sections that are not details)	4
Details	5
Schedules and Diagrams	6
User Defined	7
User Defined	8
3D Views (isometrics, perspectives, photographs)	9

Note: CSI's "Uniform Drawing System" document (Appendix A, UDS-01.35-.41) contains two levels for designating the discipline code/designator based on the complexity of the project. The simplest level, Level One (which is presented here), has the second character being filled by a hyphen (-). Examples would be: Architectural (A-), Electrical (E-), etc. For very complex projects with the possibility of hundreds of sheet files within disciplines, the Level Two discipline codes/designators have the second character filled with a discipline modifier (e.g., Landscape Demolition (LD), Landscape Irrigation (LI), Landscape Planting (LP)). For more information on this topic, please see the UDS document.

The Industry Standard file naming methodology relies solely on directory structure to differentiate individual projects (i.e., all the design files for a particular project are in a directory with the project's name). Some system administrators find this method inadvisable because it permits the same file name to exist in different directories. The possibility of overwriting files with identical names is a constant problem. Figure 7 shows a typical file structure for this method.

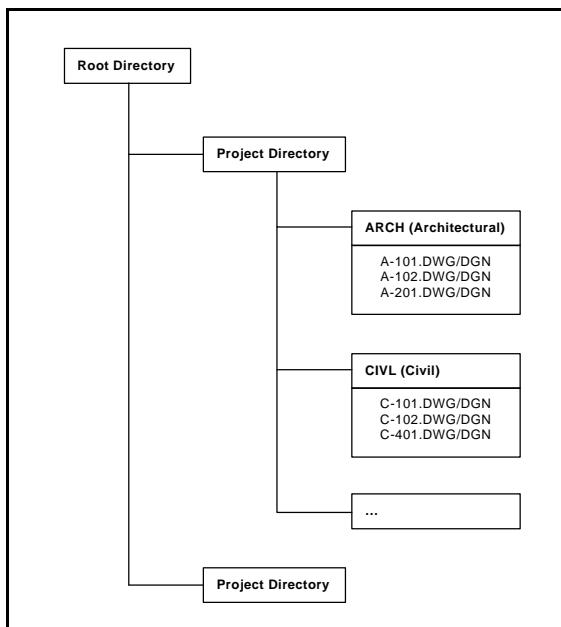


Figure 7. Typical file structure

Note: Some CD-ROM writing utilities do not recognize a hyphen (“ - ”) as a legal file name character. For these utilities, use either an underscore (“ _ ”) for the hyphen or utilize the Tri-Service optional file naming conventions.

Tri-Service optional model file naming convention

In the Tri-Service Optional model file naming convention (see Figure 8), the first three characters of the file name are the *Project Code*. Project codes are developed by the user and are not standardized. The fourth character represents the *Discipline Code/Designator* (see Table 7, Note: This table includes disciplines not covered by AIA or CSI, such as Civil Works and Geotechnical). The fifth and sixth characters designate the *Drawing Type Code* (See Table 8 which includes a sample of these codes, for a full listing see Appendix D. Note: This table includes drawing type codes not covered by AIA or CSI). The remaining two characters are user-definable.

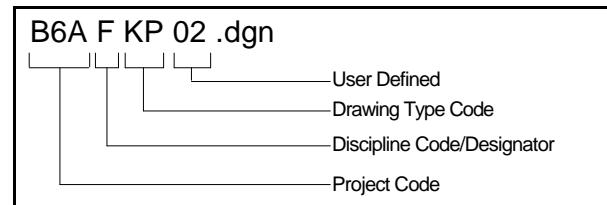


Figure 8. Tri-Service Optional Model File Naming Convention

Example 1: The name for a simple Architectural Demolition Plan model file for project number “B6A” would be:

B6AADP.dwg/dgn

Example 2: For a building that has multiple floors the architectural demolition plan model file name for Floor 2 would be:

B6AADPF2.dwg/dgn

Table 7**Tri-Service Optional Discipline**

Discipline	Character
General	G*
Survey and Mapping	V
HTRW/Environmental	H*
Civil/Site	C*
Civil Works	W
Geotechnical	B
Utilities	U
Landscape Architecture	L*
Structural	S*
Architectural	A*
Interior Design	I*
Equipment	Q*
Fire Protection/Suppression	F*
Plumbing	P*
Mechanical	M*
Electrical	E*
Telecommunications	T*
Resource	R*
Other Disciplines	X*
Facility Management	N
Contractor/Shop Drawings	Z*

* denotes AIA compliant

Table 8 (Continued)**Tri-Service Optional**

Discipline	Code	Definition
<i>HTRW/Environmental (H)</i>		
	3D*	Isometric/3D
	AB	Asbestos Sample Location
	DD	Demolition Basin Detail
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	ED	Evapotranspiration Bed Detail
	EL*	Elevation
	EP*	Enlarged Plan
	EV	Environmental Plan
	FD	Leachate Field Detail
	GC	Gas Collection System Detail
	GD	Ground Storage Reservoir Detail
	HP	Hydraulic Profile
	LC	Leachate Collection Detail
	LD	Lift Station Detail
	LF	Landfill Liner and Cover Detail
	LP	Lead Paint Sample Location
	OD	Oil Water Separator Detail
	PP	Pollution Prevention Plan
	QP*	Equipment Plan
	SC*	Section
	SD	Spill Containment Detail
	ST	Septic Tank Detail
	WD	Water Supply Building Detail
	WP	Water Treatment Plan
	WT	Elevated Water Tank Detail
	WW	Wastewater Treatment Plan
<i>Civil/Site (C)</i>		
	3D*	Isometric/3D
	AF	Airfield Plan
	AI	Airfield Paving Plan
	AP	Apron Striping Plan
	BL	Boring Location

* denotes AIA compliant
Note: For the full listing, see Appendix D

Table 8 (sample of Appendix D)**Tri-Service Optional**

Discipline	Code	Definition
<i>General (G)</i>		
	BS	Border Sheet
	KP	Keyplan
<i>Survey and Mapping (V)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	SC*	Section
	SP	Survey/Mapping Plan

Tri-Service optional sheet file naming convention

In the Tri-Service Optional sheet file naming convention (see Figure 9), the first three characters of the file name are the *Project Code*. Project codes are developed by the user and are not standardized. The fourth character represents the *Discipline Code/Designator* (see Table 7) and the fifth character defines the sheet type designator (see Table 6). The sixth and seventh characters designate the *Sheet Sequence Number* (01-99). The remaining character is user-definable.

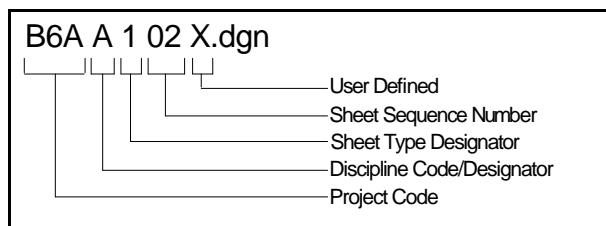


Figure 9. Tri-Service Optional Sheet File Naming Convention.

Example: The sheet file name for the first page of a set of Mechanical HVAC Plans for project number "B6A" would be:

B6AM101.dwg/dgn

Example: For a building that has multiple floors the Architectural Demolition Plan sheet file name for Sheet 1, Floor 2 would be:

B6AA1012.dwg/dgn

Coordination Between Sheet File Name and Sheet Identifier

In assigning a sheet identifier (for use in the sheet identification block, reference bubbles, etc.), the user should coordinate with the name assigned to the electronic sheet file. The sheet identifier should consist of the discipline code/designator, sheet type designator, and the sheet sequence identifier/number (see Figure 10). This sheet identifier convention is compatible with both the Industry Standard and the Tri-Service Optional sheet file naming conventions.

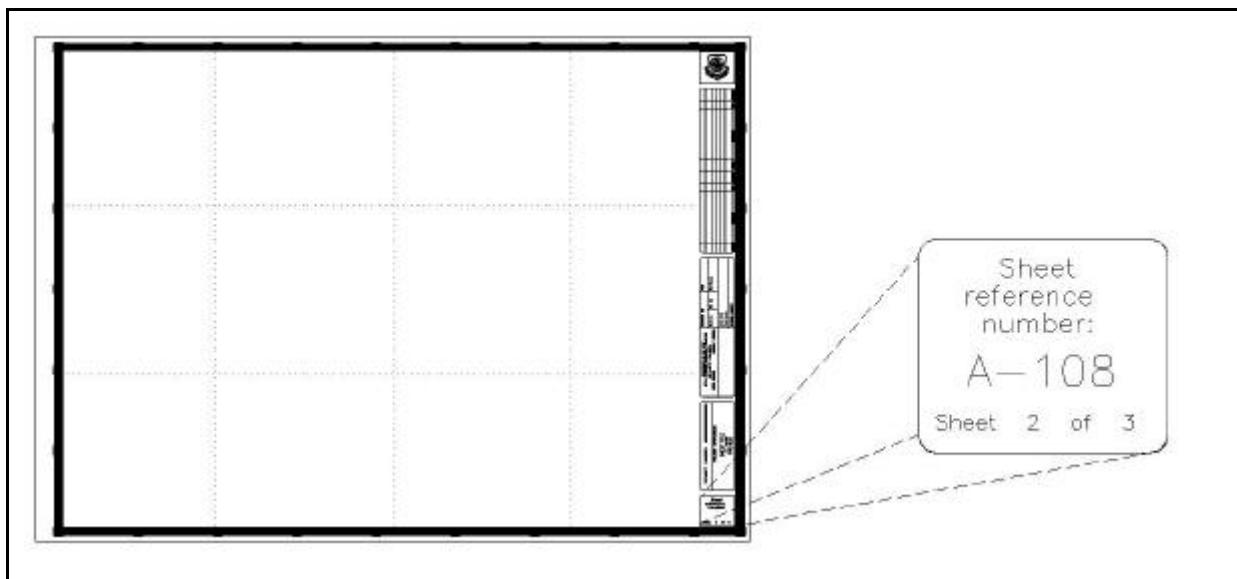


Figure 10. Typical border sheet title block with sheet identification block.

3 Graphic Concepts

Presentation Graphics

The first step in establishing effective CADD standards is the development of a uniform approach to presentation graphics. Presentation graphics typically consist of drawing elements such as lines, arcs, shapes, text, and their attributes (line color, line width, and line style). Brief overviews of the characteristics of presentation graphics and the philosophy used to standardize them are presented within this chapter.

Line widths

Although “monotone” line work is not contractually improper, drawings employing varied line widths substantially improve their readability. Most commercial CADD systems provide an extensive variety of line widths. However, for the majority of A/E/C drawings, the five line widths defined in Table 2, with the optional 1.00mm, 1.40mm, and 2.00mm lines, are considered sufficient and should not be expanded

unless an appreciable improvement in drawing clarity or contrast can be realized. Typical usages for the line widths shown in Table 9 are described below (Note: The weight of MicroStation lines remain constant when plotted, no matter if the design is scaled up or down).

- Fine (0.18mm). Fine lines should be used sparingly, mostly for poche/patterning (this line thickness typically does not reproduce well in blue line format and/or in photocopies).
- Thin (0.25 mm). Thin lines should be used for depicting dimension lines, dimension leader/witness lines, note leader lines, line terminators (arrowheads, dots, slashes), phantom lines, center lines, long break lines, and object lines seen at a distance.
- Medium (0.35 mm). Medium lines should be used for depicting minor object lines, dimension text, text for notes/callouts, schedule text, and hidden lines.

Table 9
Comparison of Line Widths

Line Thickness	Technical Pen Designation**	Millimeters	Inches	MicroStation Line Weight	Line Weight Example
Fine	0000	0.18	0.007	wt = 0	
Thin	000	0.25	0.010	wt = 1	
Medium	0	0.35	0.014	wt = 2	
Wide	1	0.50	0.020	wt = 3	
Extra Wide	2.5	0.70	0.028	wt = 5	
Option 1	3.5	1.00	0.040	wt = 7	
Option 2 *	n/a	1.40	0.055	wt = 10	
Option 3 *	n/a	2.00	0.079	wt = 15	

* Pens not standard for ink pen plotters

** Technical pen designation derived from Rapidograph & Rotring pen sizes

- Wide (0.50 mm). Wide lines should be used for major object lines and schedule boxes/charts.
- Extra wide (0.70 mm). Extra wide lines should be used for minor title underlining, text for titles, and object lines requiring special emphasis. For very large-scale details drawn at 3 in. = 1 ft-0 in. or larger, the extra wide width should be used for the object lines. Extra wide widths are also appropriate for use as an elevation grade line, building footprint, or top of grade lines on section/foundation details.
- Option 1 (1.00 mm). This line weight should be used for major title underlining, cutting plane lines, and separating portions of drawings.
- Option 2 (1.40 mm). This line weight should be used for border sheet outlines, cover sheet line work, and as an option for the designer as required.
- Option 3 (2.00 mm). This line weight should be used for border sheet outlines, cover sheet line work and as an option for the designer as required.

Line types/styles

The line types/styles selected for this standard (see Table 10) are defined as 0 (continuous), 1 (dotted), 2 (dashed), 3 (dashed spaced), 4 (dashed dotted), 5 (dashed double-dotted), 6 (dashed triplicate-dotted), 7 (chain), and 8 (chain double-dashed). Only line IDs 0, 2, 7 and 8 are included in ISO 128, “Technical drawings - General principles of presentation.”

Table 10
Standard Line Types/Styles

ID	Description	Example	MicroStation Designator	AutoCAD Designator
0	Continuous	—	0	Continuous
1	Dotted	· · · · ·	1	ACAD_ISO07W100
2	Dashed	- - - - -	2	ACAD_ISO02W100
3	Dashed spaced	— — — — —	3	ACAD_ISO03W100
4	Dashed dotted	· - - - - -	4	ACAD_ISO10W100
5	Dashed double-dotted	· - - - - - -	6	ACAD_ISO12W100
6	Dashed triplicate-dotted	— - - - - - -	*	ACAD_ISO14W100
7	Chain	- - - - -	7	ACAD_ISO08W100
8	Chain double-dashed	— - - - - - -	*	ACAD_ISO09W100

* This line style is not found in the default MicroStation line style resource file.

The default line styles for MicroStation 95 are located in the file “*lstyle.rsc*”. Table 10 lists two line styles (i.e., dashed triplete-dotted and chain double-dashed) which are not included within this file. These line styles should be created as custom line styles by MicroStation users. Consult the MicroStation 95 “Administrative Guide” for information on creating custom line styles.

Line color

The primary reason to use color in CADD drawings is to improve the clarity of the drawing on a computer monitor. However, in some CADD applications, color is also used to delineate individual layers/levels and/or define the line thicknesses of drawing elements on the final (plotted) drawing sheet.

Note: *For this standard, specific colors are assigned (standardized) to individual layers/levels, and every line color is associated with a particular line width. This procedure is normal for AutoCAD users but new to most MicroStation users.*

Note: *Future updates of CSI’s Uniform Drawing System document will address the use of color in final plotted drawings. This standard only addresses the use of color to control/define plotted line widths on black and white drawings.*

Recommended color table. The variety of colors available in a CADD application depends on the capabilities of the computer monitor and its video card. Today, most systems are capable of displaying from 16 to 256 colors. Based on the limitations of monitor color display capabilities and differing CADD system plotting methods, this manual recommends that all A/E/C drawings be created using the basic colors presented in Table 11 whenever possible.

Note: *The recommended colors are best viewed on a monitor with a black background.*

Appendix F shows the color comparison between AutoCAD and MicroStation for 256 colors. This matrix is based on a MicroStation color table that emulates AutoCAD’s default color table. The color table matrix has been provided for those users who may require more than the eight recommended colors for this standard. A recommended line weight is also provided for each color.

Table 11
Color Comparison and Associated Line Widths

Color	AutoCAD Color #	MicroStation Color #	Line Width	Ratios (RGB%)		
				Red	Green	Blue
Blue	5	1	0.18 mm	0	0	255
Gray	8	9	0.18 mm	128	128	128
Green	3	2	0.25 mm	0	255	0
Red	1	3	0.25 mm	255	0	0
Yellow	2	4	0.35 mm	255	255	0
Magenta	6	5	0.35 mm	255	0	255
Cyan	4	7	0.50 mm	0	255	255
White	7	0	0.70 mm	255	255	255

Note: Color numbers for AutoCAD and MicroStation were taken from default color tables.

Note: For spatial data applications such as facility management and GIS, the eight-color standard is too restrictive and inadequate. Line color standards for these applications are covered in the "Tri-Service GIS/Spatial Data Standards" available from the Tri-Service CADD/GIS Technology Center.

Screening (Halftoning)

Screened images are created through a process called halftoning in which the density and pattern of black and white dots are varied to simulate different shades of gray. Varying the intensity of grayscales allows users to distinguish different aspects of a drawing when it is plotted. For example, an area on a site designated for demolition can be assigned a color that has been assigned a screening percentage. When plotted, the area will be shown at a lighter shade compared to other elements in the drawing. This will allow the contractor to immediately identify the demolition area on the drawing.

Table 12 lists colors recommended to be used for screening along with a recommended screening percentage (Note: This table corresponds to the same color table used in Appendix F). Using Table 12, MicroStation users can edit a plotter driver, using a text editor, to assign a screening percentage to the specific colors (See the MicroStation "User's Guide" for information on working with plotter/printer drivers).

AutoCAD users must specify requirements for halftones according to the output device used. Due to the number of output devices AutoCAD supports, AutoCAD users should consult the online help documentation for information on assigning recommended screening percentages.

Text styles/fonts

Contrasting text styles (or fonts) are used within a drawing to delineate types of information. In most A/E/C drawings, the five fonts shown in Table 13 should be sufficient.

- Monotext font. This font creates text characters that are evenly spaced. Monotext font should be used where text fields need to be aligned such as in schedules or, in some cases, title blocks. In AutoCAD, use the monotxt font and in MicroStation use Font #3.
- Proportional font. This font creates text where the characters are proportionally spaced. It is appropriate for general notes, labels, or title blocks. In AutoCAD, use the romans (Roman Simplex) font with a width factor of 0.8. In MicroStation use Font #1.
- Slanted font. A slanted font is used for where text needs to be easily distinguished from other text. This font can be created in AutoCAD by using the romans font with the Obliquing Angle set to 21.8 degrees to achieve the American Standard slope of 2 in 5 (68.2 deg). In MicroStation use Font #23.
- Filled font. Filled fonts are used primarily for titles and on cover sheets. For AutoCAD, the recommended font is the swiss TrueType font (Note: The TEXTFILL system variable needs to be set to "1"). MicroStation users should use Font #43 (Note: The Microsoft arialbd.ttf font file can be used as an alternate text style for the filled font).
- Outline font. When using a pen plotter for final output, the outline font is used as a substitute to filled fonts for major titles such as cover sheet information to save plotting time. For AutoCAD, the recommended font is the sasb (Sans Serif-bold) PostScript font. For MicroStation, use Font #42.

Table 12
Screening Colors and Percentages

AutoCAD		MicroStation				
Color	Screen %	Color	Screen %	Grayscale Ratio (RGB%)		
				Red	Blue	Green
8	10	8	10	230	230	230
17	20	17	20	204	204	204
18	30	18	30	179	179	179
37	40	37	40	153	153	153
38	50	38	50	128	128	128
57	60	57	60	102	102	102
58	70	58	70	77	77	77
77	80	77	80	51	51	51
78	10	78	10	230	230	230
97	20	97	20	204	204	204
98	30	98	30	179	179	179
117	40	117	40	153	153	153
118	50	118	50	128	128	128
137	60	137	60	102	102	102
138	70	138	70	77	77	77
157	80	157	80	51	51	51
158	10	158	10	230	230	230
177	20	177	20	204	204	204
178	30	178	30	179	179	179
197	40	197	40	153	153	153
198	50	198	50	128	128	128
217	60	217	60	102	102	102
218	70	218	70	77	77	77
237	80	237	80	51	51	51
238	10	238	10	230	230	230
250	20	250	20	204	204	204
251	30	251	30	179	179	179
253	40	253	40	153	153	153
254	100	254	100	0	0	0

Table 13
Comparison of Font Types

MicroStation	Note: All MicroStation font numbers come from the default MicroStation font resource file.	AutoCAD
Monotext font (Font #3)		Monotext font (monotxt)
ABCDEFGHI JKLMNOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz		ABCDEFGHI JKLMNOPQRST UVWXYZ abcdefghijkl mnopqrst uvwxyz
Proportional font (Font #1)		Proportional font (romans)
ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz		ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz
Slanted font (Font #23)		Slanted font (romans, obliquing angle = 21.8)
ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz		ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz
Filled font (Font #43)		Filled font (swiss)
ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz		ABCDEFGHIJKLM NOPQRST UVWXYZ abcdefghijklmnopqrst uvwxyz
Outline font (Font #42)		Outline font (sasb)
ABCDEFGHIJKLM NOPQRST UVWXZY abcdefghijklmnopqrst uvwxyz		ABCDEFGHIJKLM NOPQRST UVWXZY abcdefghijklmnopqrst uvwxyz

Plotting

Printers and plotters are controlled by files called pen tables or feature tables. These files (tables) convert thicknesses and/or color in an electronic file to line thicknesses on a paper drawing.

This manual standardizes presentation graphics as they relate to electronic drawing files (screen display) and not the final printed or plotted paper drawing. By employing pen tables, each agency can ensure that consistent drawings are produced from an electronic file regardless of the type of printer or plotter used. It is the responsibility of each field activity to develop pen tables based on the printer/plotter used at that activity.

Border Sheets

Sheet sizes

Typical A/E/C projects (contract documents) will be prepared on A1 sheets in accordance with the International Standards Organization (ISO) sheet size shown in Table 14.

The ISO A0 sheet is recommended for large maps (i.e., installation master plans and drawings for civil works projects).

Note: *Those users plotting A1 size drawings on ANSI D-size paper should reduce the width of the A1 border from 594mm (23.39") to 559mm (22.0"). The length can remain the same. This revised border will fit on an ANSI D-size sheet (22" X 34") and can be reproduced on standard office photocopiers.*

Title block

The TSTC recommends the use of a vertical title block placed in the right-hand margin of the border sheet as shown in Figure 11. Use of the vertical title block provides the most usable drawing space on a sheet. The vertical title block also ensures that the most prevalent and pertinent information remains at the bottom right of the sheet. In compliance with the UDS, title block data will include:

- Designer identification block
- Issue block
- Management block
- Project identification block/Sheet title block
- Sheet identification block

Table 14
ISO, ANSI, and Architectural Sheet Size Comparison

ISO Designation	Width		Length		ANSI Equivalent		Architectural Equivalent	
	mm	in.	mm	in.	Letter	in.	Letter	in.
NA	NA	NA	NA	NA	F	28.0 x 40.0	F	30.0 x 42.0
A0	841	33.11	1189	46.81	E	34.0 x 44.0	E	36.0 x 48.0
A1	594	23.39	841	33.11	D	22.0 x 34.0	D	24.0 x 36.0
A2	420	16.54	594	23.39	C	17.0 x 22.0	C	18.0 x 24.0
A3	297	11.69	420	16.54	B	11.0 x 17.0	B	12.0 x 18.0
A4	210	8.27	297	11.69	A	8.5 x 11.0	A	9.0 x 12.0

Note: Local standards may expand or modify the content of the title block but should not alter its size or configuration if possible. See the UDS for additional recommendations.

Designer identification block. The designer identification block (Figure 12) contains the logo or name of the agency that designed the sheet. This space could also be expanded (by reducing the size of the issue block) to accommodate professional seals when required.

Issue block. The issue block (Figure 13) contains a history of revisions, addenda, and/or clarifications to the sheet. The first entry should be placed on the lower left-hand line of the issue block and subsequent entries should be made above it.

Management block. The management block (Figure 14) contains information about the designer, reviewer and submitter. This block can also be used to maintain filing information about the drawing, such as the filename, plot scale, and drawing code (Note: this information is sometimes plotted outside of the drawing sheet cut line). If an A-E has developed the drawings,

there is room for information about the firm in the lower left portion of the block.

Project identification block/Sheet title block.

The project identification block/sheet title block (Figure 15) contains two sets of information. First, the project name is identified, possibly with the location or phase of the project identified. If small enough, a project logo can be presented in this block. The second set of information contains a description of the content of the sheet (e.g., Architectural Floor Plan). If more than one type of information is presented on the sheet (i.e., plans, schedules, details, etc.), the most important information is identified.

Sheet identification block. The sheet identification block (Figure 16) contains the sheet identifier. This sheet identifier is composed of the discipline code/designator, the sheet type designator, and the sheet sequence number (see also Chapter 2 "Electronic Drawing File Naming Conventions"). The "number of sheets" listing is optional and can contain either the total number of sheets for the entire project drawing set or the number of sheets for that particular discipline code/designator.

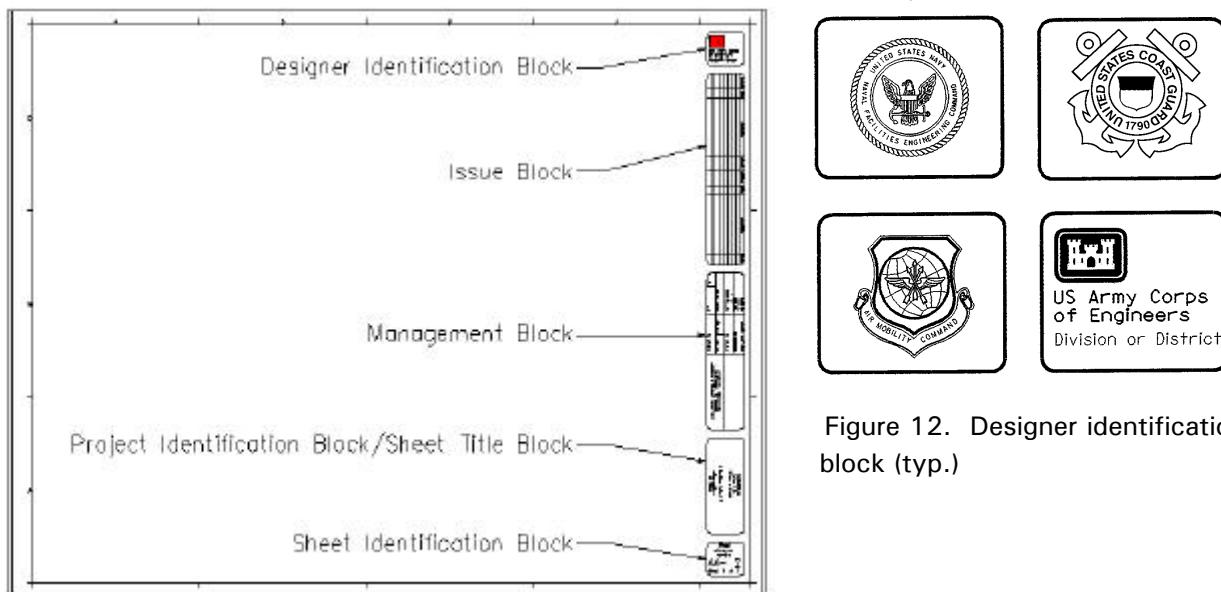


Figure 11. Sample metric drawing sheet with vertical title block

Mark	Description	Date	Apr.	Mark	Description	Date	Apr.

Figure 13. Issue block (typ.)

U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS HUNTSVILLE, ALABAMA	Designed by:		Date:	Rev:
	Dwn by:	Ckd by:	Design file no.	
	Reviewed by:		Drawing code:	
	Submitted by: <i>Chief</i>		File name: Plot date: Dwg scale:	

Figure 14. Management block (typ.)

PROJECT
INFORMATION
4 LINES PROVIDED

SHEET TITLE
3 LINES
PROVIDED

Figure 15. Project identification
block/sheet title block

Sheet
Reference
Number:

XX000

Sheet 0 of 0

Figure 16. Sheet
identification block

Drawing Scales

Typical drawing scales for both SI and inch - pound measurements are indicated in Table 15.

SI and inch-pound text sizes

The A/E/C CADD Standards recommends text heights for both SI and inch-pound scales in accordance with Leroy Lettering Sizes. Table 16 lists recommended text sizes using inch-pound scales. Table 17 lists recommended text sizes using metric scales.

Table 15
Drawing Scales

Drawing Type	SI (Metric)	Customary Equivalent (Inch-Pound)
Site plans	1:250 1:400 1:500 1:600 1:600 1:1200 1:2500 1:5000 1:6000 1:12000 1:25000	(1" = 25') (1" = 30') (1" = 40') (1" = 50') (1" = 60') (1" = 100') (1" = 200') (1" = 400') (1" = 500') (1" = 1000') (1" = 2000')
Floor plans	1:50 1:100 1:200	(1/4" = 1'-0") (1/8" = 1'-0") (1/16" = 1'-0")
Roof plan	1:200	(1/16" = 1'-0")
Exterior elevations	1:100 1:200	(1/8" = 1'-0") (1/16" = 1'-0")
Interior elevations	1:50 1:100	(1/4" = 1'-0") (1/8" = 1'-0")
Cross sections	1:50 1:100 1:200	(1/4" = 1'-0") (1/8" = 1'-0") (1/16" = 1'-0")
Wall sections	1:20	(1/2" or 3/4" = 1'-0")
Stair details	1:10	(1" or 1-1/2" = 1'-0")
Details	1:5 1:10	(3" = 1'-0") (1" or 1-1/2" = 1'-0")

Table 16

Leroy Lettering Sizes	60	80	100	120	140	175	200	240	290	350	425	500	1000
Decimal Inch Equivalents	0.060	0.080	0.100	0.120	0.140	0.175	0.200	0.240	0.290	0.350	0.425	0.500	1.000
Drawing Scale	Text Size in Feet:Inches												
1" = 2000' - 0"	120:0	160:0	200:0	240:0	280:0	350:0	400:0	480:0	580:0	700:0	850:0	1000:0	2000:0
1" = 1000' - 0"	60:0	80:0	100:0	120:0	140:0	175:0	200:0	240:0	290:0	350:0	425:0	500:0	1000:0
1" = 500' - 0"	30:0	40:0	50:0	60:0	70:0	87:6	100:0	120:0	145:0	175:0	212:6	250:0	1000:0
1" = 400' - 0"	24:0	32:0	40:0	48:0	56:0	70:0	80:0	96:0	116:0	140:0	170:0	200:0	400:0
1" = 200' - 0"	12:0	16:0	20:0	24:0	28:0	35:0	40:0	48:0	58:0	70:0	85:0	100:0	200:0
1" = 100' - 0"	6:0	8:0	10:0	12:0	14:0	17:6	20:0	24:0	29:0	35:0	42:6	50:0	100:0
1" = 60' - 0"	3:7	4:10	6:0	7:2	8:5	10:6	12:0	14:5	17:5	21:0	25:6	30:0	60:0
1" = 50' - 0"	3:0	4:0	5:0	6:0	7:0	8:9	10:0	12:0	14:6	17:6	21:3	25:0	50:0
12" = 1' - 0"	:0.06	:0.08	:0.10	:0.125	:0.14	:0.175	:0.20	:0.24	:0.29	:0.35	:0.425	:0.50	:1
6" = 1' - 0"	:0.12	:0.16	:0.20	:0.25	:0.28	:0.35	:0.40	:0.48	:0.58	:0.70	:0.85	:1	:2
3" = 1' - 0"	:0.24	:0.32	:0.40	:0.50	:0.56	:0.70	:0.80	:0.96	:1.16	:1.40	:1.70	:2	:4
1-1/2" = 1' - 0"	:0.48	:0.64	:0.80	:1	:1.12	:1.40	:1.60	:1.92	:2.32	:2.80	:3.40	:4	:8
1" = 1' - 0"	:0.70	:1	:1.20	:1.50	:1.70	:2.10	:2.40	:2.80	:3.50	:4.20	:5	:6	:10
3/4" = 1' - 0"	:0.96	:1.28	:1.60	:2	:2.24	:2.80	:3.20	:3.84	:4.64	:5.60	:6.80	:8	:14
1/2" = 1' - 0"	:1.40	:2	:2.40	:3	:3.40	:4.20	:4.80	:5.60	:7	:8.40	:10	:10	:20
3/8" = 1' - 0"	:1.92	:2.56	:3.20	:4	:4.48	:5.60	:6.40	:7.68	:9.28	:11.20	:1.60	:1.4	:28
1/4" = 1' - 0"	:2.80	:4	:4.80	:6	:6.80	:8.40	:9.60	:11.20	:1.2	:1.480	:1.8	:20	:40
3/16" = 1' - 0"	:3.84	:5.12	:6.40	:8	:8.96	:11.20	:10.80	:13.36	:1.656	:1.104	:2.320	:2.8	:54
1/8" = 1' - 0"	:5.60	:8	:9.60	:10	:1.60	:1.480	:1.720	:1.104	:2.4	:2.960	:3.4	:40	:80
3/32" = 1' - 0"	:7.68	:10.2	:10.80	:14	:1.592	:1.104	:2.160	:2.672	:3.112	:3.880	:4.640	:54	:108
1/16" = 1' - 0"	:11.2	:14	:17.20	:20	:2.320	:2.960	:3.240	:3.880	:4.8	:5.720	:6.8	:80	:160
1/32" = 1' - 0"	:110.4	:28	:3.240	:40	:4.640	:5.720	:6.480	:7.560	:9.4	:11.24	:13.4	:160	:320

Table 17

Leroy Lettering Sizes		60	80	100	120	140	175	200	240	290	350	425	500	1000
Millimeter Approximates	1.5	2	2.5	3	3.5	4.5	5	6	7.5	9	11	12	25	
Drawing Scale		Text Size in Millimeters												
1:20000	30000	40000	50000	60000	70000	90000	100000	120000	150000	180000	220000	240000	500000	
1:10000	15000	20000	25000	30000	35000	45000	50000	60000	75000	90000	110000	120000	250000	
1:6000	9000	12000	15000	18000	21000	27000	30000	36000	45000	54000	66000	72000	150000	
1:5000	7500	10000	12500	15000	17500	22500	25000	30000	37500	45000	55000	60000	125000	
1:2000	3000	4000	5000	6000	7000	9000	10000	12000	15000	18000	22000	24000	50000	
1:1000	1500	2000	2500	3000	3500	4500	5000	6000	7500	9000	11000	12000	25000	
1:700	1050	1400	1750	2100	2450	3150	3500	4200	5250	6300	7700	8400	17500	
1:600	900	1200	1500	1800	2100	2700	3000	3600	4500	5400	6600	7200	15000	
1:500	750	1000	1250	1500	1750	2250	2500	3000	3750	4500	5500	6000	12500	
1:400	600	800	1000	1200	1400	1800	2000	2400	3000	3600	4400	4800	10000	
1:250	375	500	625	750	875	1125	1250	1500	1875	2250	2750	3000	6250	
1:200	300	400	500	600	700	900	1000	1200	1500	1800	2200	2400	5000	
1:125	188	250	313	375	438	563	625	750	938	1125	1375	1500	3125	
1:100	150	200	250	300	350	450	500	600	750	900	1100	1200	2500	
1:75	113	150	188	225	263	338	375	450	563	675	825	900	1875	
1:50	75	100	125	150	175	225	250	300	375	450	550	600	1250	
1:25	38	50	63	75	88	113	125	150	188	225	275	300	625	
1:20	30	40	50	60	70	90	100	120	150	180	220	240	500	
1:10	15	20	25	30	35	45	50	60	75	90	110	120	250	
1:5	8	10	13	15	18	23	25	30	38	45	55	60	125	
1:2.5	4	5	6	8	9	11	13	15	19	23	28	30	63	
1:1	2	2	3	3	4	5	5	6	8	9	11	12	25	

Dimensioning in Metric (SI)

Methodologies for dimensioning metric (SI) drawings are based upon the recommendations of the Construction Metrication Council of the National Institute of Building Sciences (NIBS), Washington, D.C. These recommendations comply with the American Society of Testing and Materials (ASTM) E 621-84, "Standard Practice for the Use of Metric (SI) Units in Building Design and Construction."

Millimeters

The preferred unit of measure for most A/E/C work is millimeters. Unit notations are unnecessary and should not be used. The dimension is provided as a whole number as shown in Figure 17. Also, a note should be added to the drawing stating, "All dimensions and/or dimensions shown in callouts/notes are in millimeters unless otherwise noted."

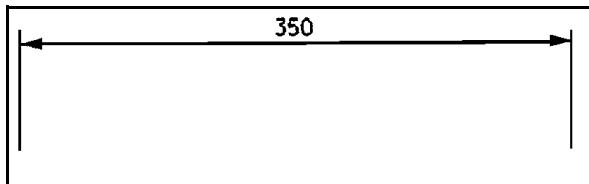


Figure 17. Dimension in millimeters. Always shown as a whole number.

When meter measurements are included on the same sheet, the meter dimension is provided as a real number taken to three places past the decimal point (see Figure 18). Again, unit notations are unnecessary.

Note: *In circumstances where very small dimensions are used (e.g., machine details), it is permissible to use real numbers for millimeter dimensions. A note should be placed on the detail regarding this fact.*

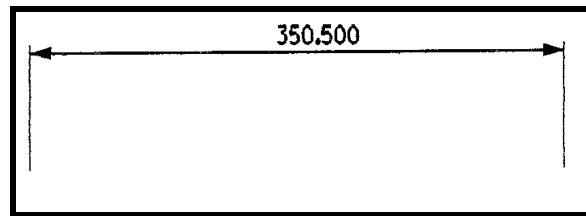


Figure 18. Dimension in meters. Always shown as a real number (with decimal).

Meters

For site plans or other drawings drawn to scales over 1:200, the unit of measure is typically meters. Where greater accuracy is required, show dimensions to three decimal places (see Figure 18). A note should be added to the drawing stating, "All dimensions and/or dimensions shown in callouts/notes are in meters unless otherwise noted."

Large units of measure

Commas shall not be used when providing large units of measure; instead, a space replaces the traditional comma in numbers containing five or more digits (e.g., the number 45,000 is displayed as 45 000). In numbers containing four digits, no space is used (e.g., 5000). Both methods are shown in Figure 19.

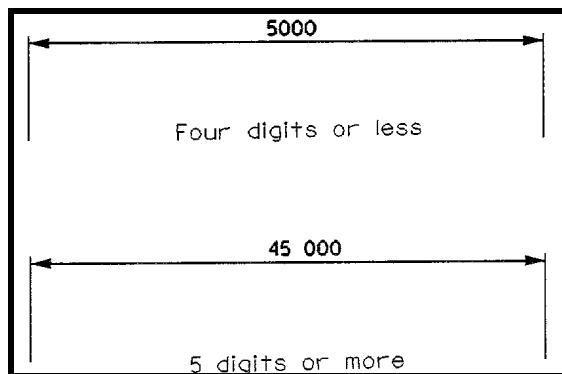


Figure 19. Proper dimension presentations for metric measurements with four or more digits.

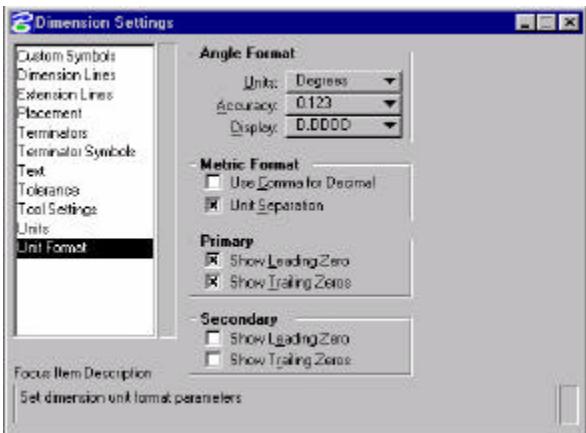


Figure 20. Unit format

The default dimension setting for *Unit Format* in MicroStation's Default Workspace needs to be set as shown in Figure 20. The unit separation toggle switch needs to be turned off for dimensions less than 10000 mm; otherwise, four digit numbers will display using the space as a unit separator (see Figure 19).

Note: *The automatic dimensioning features of AutoCAD do not allow users to replace commas with spaces in dimension text. The dimension text will presently have to be edited to provide the spacing required by ASTM E 621-84.*

Dual units

To avoid confusion, dual units (both inch-pound and metric) should not be used. As stated in Volume 7, Issue 1 of the NIBS Construction Metrication Council's *Construction Metrication* newsletter, use of dual units "increases dimensioning time, doubles the chance for errors, makes drawings more confusing, and only postpones the (metric) learning process."

Exceptions to this include certain "standard building designs" where dual dimensions ensure that the design can be used in either SI or inch-pound projects and in situations where products/components used in an SI project are available only as inch-pound products.

4 Level/Layer Assignments

Levels/Layers

CADD levels or layers are analogous to overlays in manual drafting systems and serve to

separate graphic elements (lines, shapes, and text) according to the design discipline they represent (Figure 21).

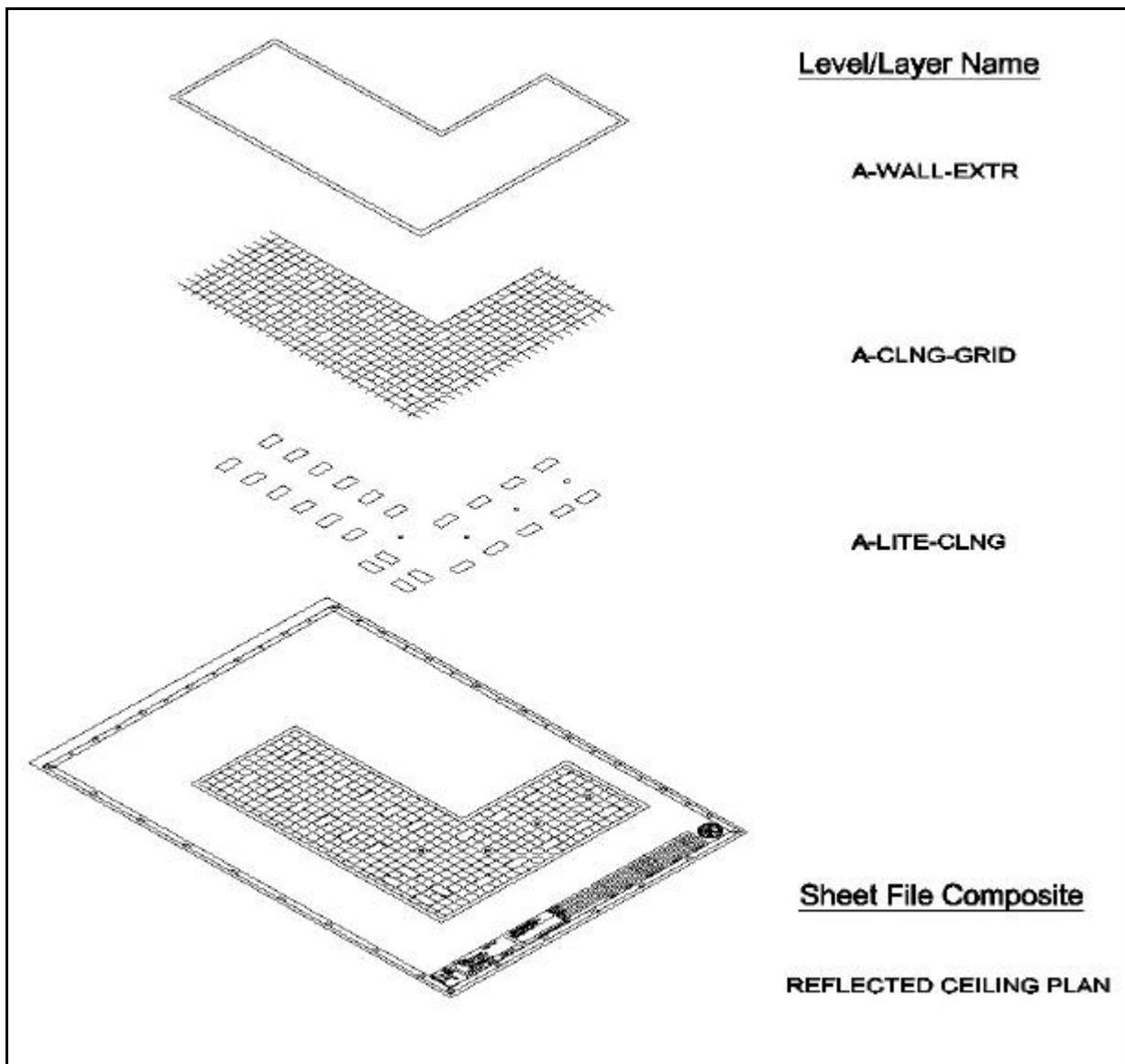


Figure 21. Typical levels/layers contained in a sheet file.

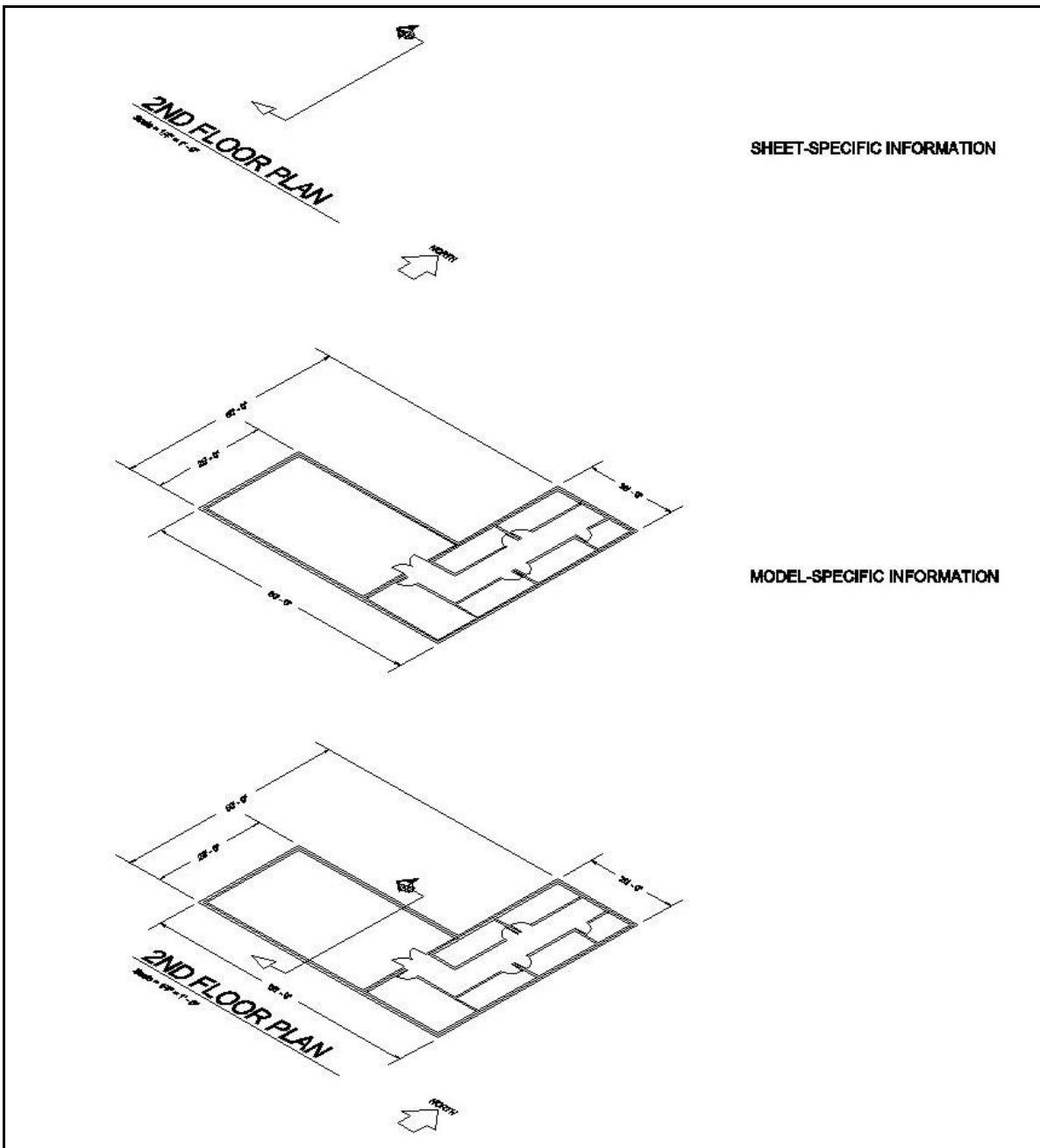


Figure 22. Sheet and model-specific information

The types of information represented by individual levels/layers can be grouped into two primary types: model-specific information and sheet-specific information (Figure 22).

- Model-specific information represents the physical form of a site, a building, or objects

composing a building. This information is often shared between drawings. Examples include walls, doors, light fixtures, and room numbers. Model-specific information may be either literal (e.g., walls) or symbolic (e.g., electrical outlets).

- Sheet-specific information may include notes, annotative symbols, and titles. This type of information is usually not shared between drawings.

Note: Dimensions may occur on the model file or the sheet file. In small projects the dimensions are typically on the model file. In large projects, the dimensions should occur on the sheet file.

To effectively use and manipulate model-specific and sheet-specific information, every level/layer must be defined (standardized) by its name and its use.

Level/Layer naming conventions

The reuse, not duplication, of graphic information reduces drawing time and improves project coordination. The level/layer is the basic tool used in CADD for managing graphic information. The levels/layers defined within these standards are based on the recommendations set forth in the 1997 American Institute of Architects' publication, "CAD Layer Guidelines."

This manual offers two methodologies for level/layer naming - designated as the Simplified Method and the Preferred Method (see Figure 23). Because it can be used on large or small projects, the Preferred method is recommended. Both methods consist of a two-character *Discipline Code* (e.g., "A-" for Architectural, "M-" for Mechanical, "QS" for Equipment - Security, etc.), followed by a four character *Major Group* (e.g., "DOOR" for Doors, "LITE" for Lighting Fixtures, etc.). The Preferred Method adds an additional four-character *Minor Group* to further differentiate items within the Major Group (e.g., A-WALL-EXTR for exterior walls vs. A-WALL-INTR for interior walls).

For very small projects where few levels/layers are required, the optional Simplified Method (where level/layer naming stops at the Major Group) may be used.

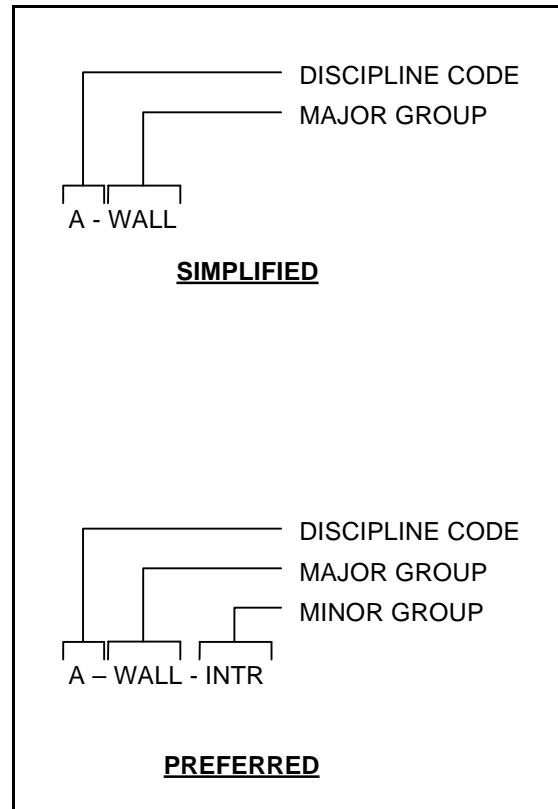


Figure 23. Level/layer naming format methods.

Note: Preferred level/layer names are presented in Appendix A. Simplified level/layer names are presented in Appendix C.

ISO Format. ISO 13567 presents an international method for level/layer naming (see Figure 24). This method consists of 10 mandatory alphanumeric characters, followed by 10 optional alphanumeric characters. The first two-character field, *Agent Responsible*, correlates to the AIA's Discipline Code. The following six-character field, *Element*, can map to a shortened version of the AIA's Major and Minor Groups (e.g., WALL-FULL becomes WALLFU, WALL-EXTR becomes WALLEX, etc.). The final two-character field in the mandatory level/layer name, *Presentation*, designates whether the level/layer information is Model information (i.e., model-specific information) or Page/Paper information (i.e.,

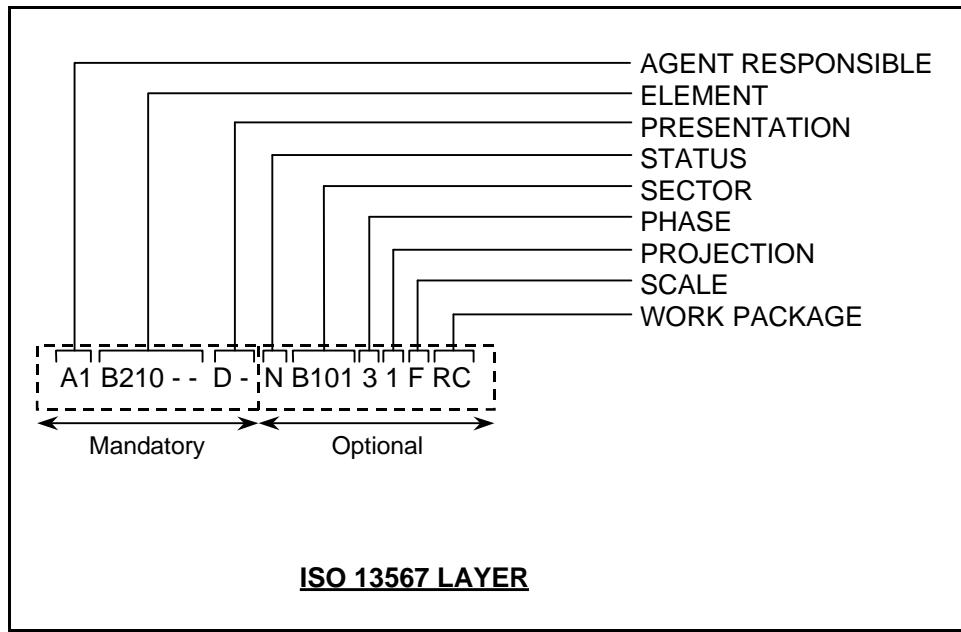


Figure 24. ISO 13567 Level/layer naming method.

sheet-specific information). Both Appendices A and C give a corresponding ISO Format level/layer name for both the Simplified and Preferred AIA Format level/layer names.

Note: Due to MicroStation's 63-level limitation per design file, certain ISO Format level/layer names in Appendices A, B, and C do not conform to ISO 13567 (e.g., the "ANNO" and "STAT" levels/layers (where ** represents the Discipline Code)). According to the ISO 13567 document, every item within a drawing can have additional levels/layers created to designate the Presentation (i.e., text, dimensions, notes, etc.) or Status (i.e., new, existing to remain, temporary work, etc.) of that item. For example, an exterior wall could potentially have seven levels/layers created to represent the status of seven different types of exterior walls (i.e., A-WALLEXM-N is a new exterior wall, A-WALLEXM-E is an existing to remain exterior wall, A-WALLEXM-D is an existing to be demolished wall, etc.). Since each MicroStation design file has only 63 levels available, it would be very easy to run out of levels for drawing information. Until this level limitation is changed, only the annotation and

status levels/layers will be temporarily non-compliant with ISO 13567.

Model Files

As mentioned in Chapter 2, model files represent full size drawings of building elements, systems, or information (e.g., the Mechanical HVAC system, the Architectural Floor Plan, details, sections, etc.) and sheet files represent final plotted sheets. Model files are used as components in creating plotted sheet files. The information contained within a discipline's model file may be referenced by other disciplines to create that discipline's particular model files or sheet files.

A model file can be considered a "work in progress." For instance, a mechanical engineer may reference the architect's floor plan model file to begin development of the HVAC ductwork layout model file. Meanwhile, the architect can continue developing the floor plan to meet new requirements. Any changes to the floor plan would be immediately accessible to

the mechanical engineer. The viewing of real-time updates eliminates a great deal of frustration for other disciplines because it allows for on-the-spot rather than after-the-fact modifications.

Level/Layer assignment tables

The level/layer assignment tables in Appendix A present (Figure 25):

- The levels/layers assigned to each model file.
- The level number assigned to each level/layer name (MicroStation users only).
- An AIA and corresponding ISO format level/layer name for each level/layer.
- A detailed description for each level/layer.
- The presentation graphics associated with each level/layer. This includes the line style, line width, and color.

Annotation levels/layers. Users should note that the first eight level/layers for every model file type (with the exception of detail model file types) are the same, the only difference being that the Discipline Code changes depending on the discipline for that model file type. The unique function of these eight annotation levels/layers is to contain model-specific information that might not be required by other disciplines. These levels/layers are (Note: the ** represents a Discipline Code (e.g., A-, C-, QS, etc.)):

**ANNO-DIMS

Witness/extension lines, dimension arrowheads/dots/slashes and dimension text.

**ANNO-KEYN

Keynotes with associated leader lines and arrowheads, ConDoc keynotes.

**ANNO-NOTE

General notes and remarks.

**ANNO-NPLT

Construction lines, reference targets, review comments, area calculations, and viewport windows.

**ANNO-PATT

Miscellaneous patterning, cross-hatching, poche.

**ANNO-SYMB

Miscellaneous symbols.

**ANNO-TEXT

Miscellaneous text and callouts with associated leader lines and arrowheads.

**ANNO-XREF

An AutoCAD user-specific layer for use in attachment of external references (i.e., reference files).

Status levels/layers. Users should note that the last nine level/layers for every model file type (with the exception of detail and demolition model file types) are the same, the only difference being that the Discipline Code changes depending on the discipline for that model file type. The unique function of these nine Status levels/layers is to differentiate phases of work (e.g., new construction vs. existing to remain items). When a project is started, a determination needs to be made as to the predominant portion of the work (i.e., will most of the items drawn be new work, demolition work, existing work, etc.). Once this determination is made, all levels/layers within that model file type (with the exception of the status levels/layers) are used to draw those items. The Status levels/layers are then used to represent the minor phases of the design.

Example: A new addition to an existing building is to be designed. Since the majority of items designed in the model files will be New items, it is decided that all levels/layers (except for the Status levels/layers) will be used for new work. For items that are to be demolished, these items will be shown on the *-STAT-DEMO level/layer.

Discipline: Architectural
Model File Type: Floor Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Floor Information							
11	A-FLOR-FIXT	A-FLORFIM-	Floor mounted/Free standing miscellaneous fixtures (not including toilet fixtures)	0	0.25	G/3	G/2
12	A-FLOR-IDEN	A-FLORIDM-	Room name, space identification text	0	0.50	C/4	C/7
13	A-FLOR-LEVL	A-FLORLEM-	Level changes, shafts, ramps, pits, breaks in construction, and depressions	0	0.35	M/6	M/5
14	A-FLOR-NUMB	A-FLORNUM-	Room/space identification number and symbol	0	0.50	C/4	C/7
15	A-FLOR-OTLN	A-FLOROTM-	Floor outline/perimeter/building footprint	0	0.35	M/6	M/5
16	A-FLOR-PATT	A-FLORPAM-	Material patterns (e.g., paving, tile, carpet)	0	0.18	Gr/8	Gr/9
17	A-FLOR-RAIS	A-FLORRAM-	Access (raised) flooring	0	0.25	G/3	G/2
18	A-FLOR-RPRM	A-FLORRPM-	Room perimeter shape (Interior walls)	0	0.35	Y/2	Y/4
19	A-FLOR-SIGN	A-FLORSIM-	Signage	0	0.25	R/1	R/3
20	A-FLOR-SPCL	A-FLORSPM-	Architectural specialties, toilet room accessories (floor mounted only), display cases	0	0.25	G/3	G/2

Figure 25. Model file level/layer assignment table

Similarly, existing to remain items would be shown on the *-STAT-EXST level/layer.

Note: The *-STAT-NEWW level/layer would not be used since the non-Status levels/layers in the model file are used to represent these items)

The Status levels/layers are (Note: the ** represents a Discipline Code (e.g., A-, C-, QS, etc.)):

**STAT-DEMO
 Existing to demolish.
 **STAT-EXST
 Existing to remain.

**STAT-FUTR

Future work.

**STAT-MOVE

Items to be moved.

**STAT-NEWW

New work.

**STAT-NICN

Not in contract.

**STAT-PHS#

Phase number (the # is replaced with 1-9).

**STAT-RELO

Relocated items.

**STAT-TEMP

Temporary work.

Border sheets

As mentioned before, a model file contains information that can be referenced by other disciplines to create other model files or final sheet files. A border sheet model file contains border sheet linework, the title block, and project-specific symbols and text. Typically, each discipline will use the same border sheet and fill in sheet-specific information within the title block or revision block prior to printing the final sheet file (e.g., sheet number, designer names, etc.).

Seed files/prototype drawings

When implementing the standards without the aid of a "workspace" (see Chapter 6), the most efficient means of creating model files is with a "template" file. Both AutoCAD and MicroStation allow the use of a "template" file (MicroStation seed file/AutoCAD prototype drawing). These files can contain established working units, preset drawing variables, or an established set of levels/layers. If a seed file/prototype drawing is developed for each model file, it is a simple matter for the architect/engineer to attach this file as a template and immediately begin designing. The development of such a file eliminates the tedious aspect of setting variables and typing in level layer names every time a new drawing is started.

Both MicroStation and AutoCAD have similar methods for using seed files/prototype drawings. First, a new file or drawing (model or sheet) is created. Second, a seed file/prototype drawing is selected and attached (see Figures 26 and 27). Based on the seed file/prototype drawing selected, the CADD program will set up all parameters and levels/layers contained in that seed file/prototype drawing.

Note: A seed file/prototype drawing for every model file within this standard does not have to be created at once. Rather, as particular model

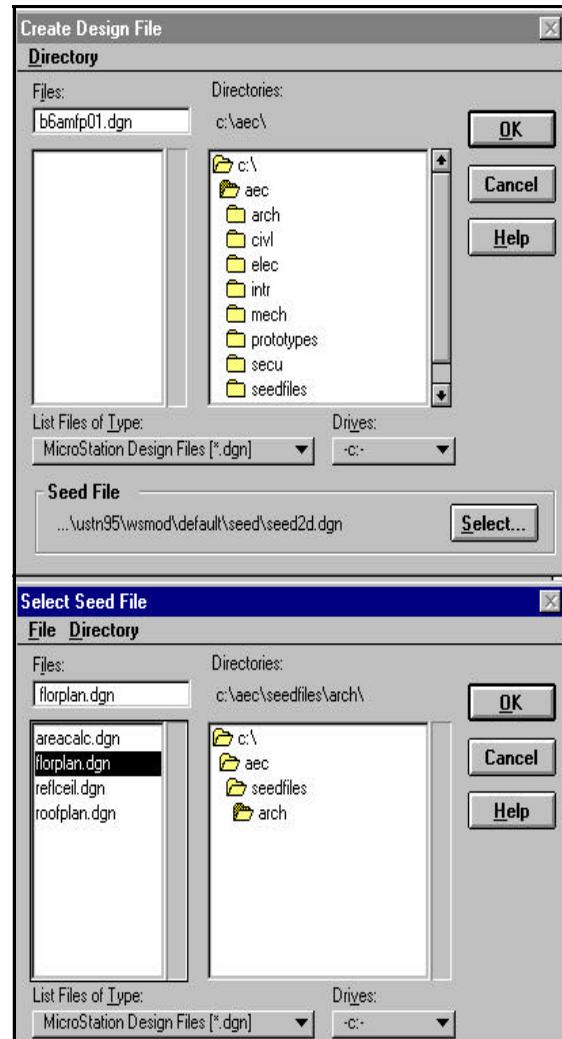


Figure 26. MicroStation design file creation and seed file selection dialog boxes.

files are developed, seed files/prototype drawings can be saved at that time and stored away for later projects. Eventually, a complete library of seed files/prototype drawings will be developed and can be shared between other architects and engineers at a site.

Reference files (XREFs)

Reference files (external references or XREFs) enable designers to share drawing information electronically, eliminating the need to exchange hard copy drawings between the design disciplines. With the use of reference

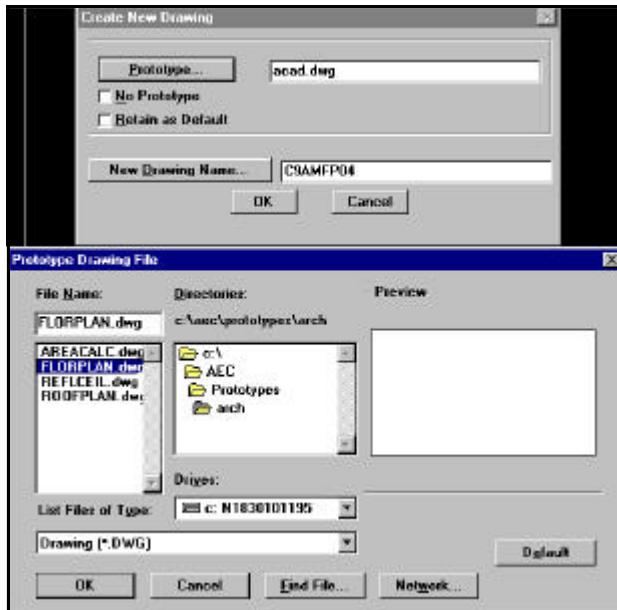


Figure 27. AutoCAD new drawing file and prototype drawing selection windows

files, the structural engineer need not wait for the architect to complete the architectural floor plans before beginning the structural framing plan model file. Nor does the engineer have to redraw the architect's structural walls on the structural framing plan model file.

By referencing electronic drawing information, any future changes made by the architect are apparent to the structural designer. This real-time access to the work of others ensures accuracy and consistency within a set of drawings and helps promote concurrent design efforts. No longer does one discipline have to wait until another discipline is nearly complete before they begin their drawings.

The use of reference files is a key component in the successful use of the level/layer assignments. To create either a model file or a final sheet file, multiple referenced model files may be required. Figure 28 shows how a simple Plumbing Piping Plan model file is developed using levels/layers referenced from the Enlarged Floor Plan model file. These referenced levels/layers show the current locations of walls, toilets, and sinks placed by the architect. The engineer uses this information to design the piping system required to service the plumbing fixtures. The architectural floor plan would then be detached and the Plumbing Piping Plan would be saved as a separate model file.

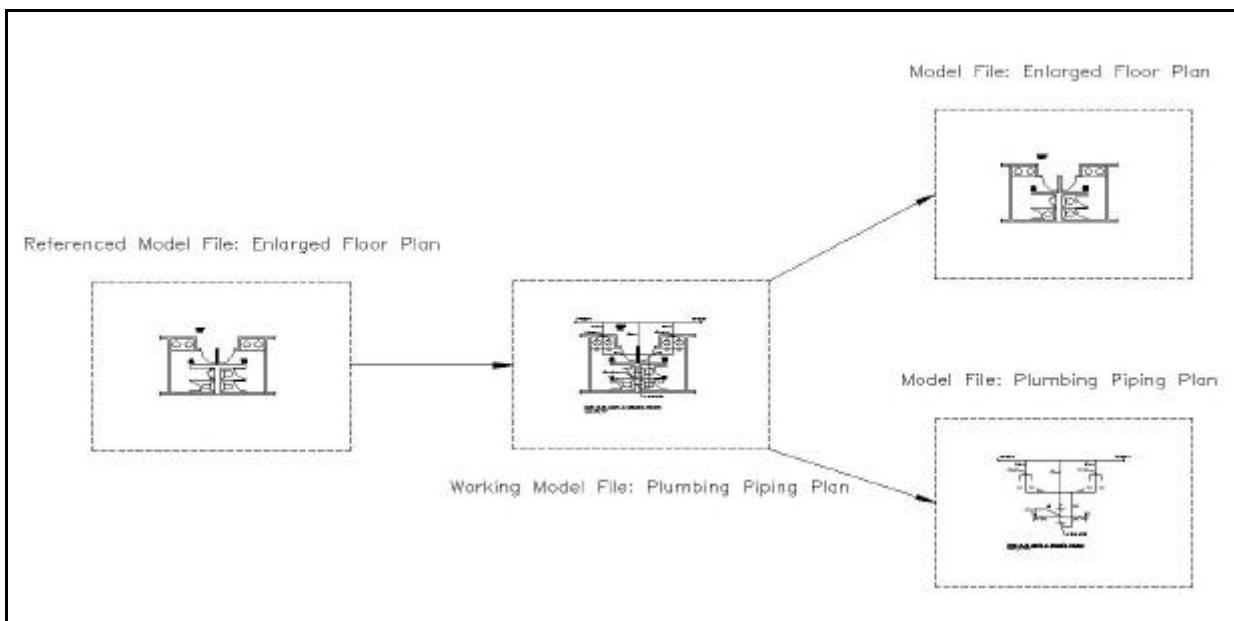


Figure 28. By referencing model files, a new model file can be built without redundant effort.

Sheet Files

Sheet files are the final project sheets that are ready to be plotted. A sheet file is an assembly of referenced model files plus additional sheet-specific information (e.g., north arrows, scales, section cuts, title block information, etc.).

Level/Layer assignment tables

The level/layer assignment tables in Appendix B present (Figure 29):

- The levels/layers assigned to each sheet file.
- The level number assigned to each level/layer. (MicroStation users only)

- An AIA and corresponding ISO format level/layer name for each level/layer.
- A detailed definition for each level/layer.
- The presentation graphics associated with each level/layer. This includes the line style, line width, and color.

Annotation levels/layers. Users should note that the first ten level/layers for every discipline's sheet file type are the same, with the exception that the Discipline Code changes depending on the discipline for that sheet file type. The unique function of these ten Annotation levels/layers is

Discipline: Architectural							
Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-* [*]	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-* [*]	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	A-ANNO-LEGN	A-ANNOLEP-* [*]	Legends and schedules	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-* [*]	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	A-ANNO-PATT	A-ANNOPAP-* [*]	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-* [*]	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-* [*]	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	A-ANNO-REDL	A-ANNOREP-* [*]	Redlines	0	0.25	R/1	R/3
63	A-ANNO-REVS	A-ANNORVP-* [*]	Revisions	0	0.50	C/4	C/7
NA	A-ANNO-XREF	A-ANNOXRP-* [*]	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

Figure 29. Sheet file level/layer assignment table

to contain sheet-specific information. These levels/layers are (Note: the ** represents a Discipline Code (e.g., A-, C-, QS, etc.)):

**ANNO-DIMS

Sheet-specific witness/extension lines, dimension arrowheads/dots/slashes and dimension text.

**ANNO-KEYN

Sheet-specific keynotes with associated leader lines and arrowheads, ConDoc keynotes.

**ANNO-LEGN

Legends and schedules.

**ANNO-NOTE

Sheet-specific general notes and remarks.

**ANNO-PATT

Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning).

**ANNO-REDL

Redlines, markups.

**ANNO-REVS

Revisions, amendments, addenda, and modifications.

**ANNO-SYMB

Sheet-specific symbols (e.g., north arrow, scales, etc.).

**ANNO-TEXT

Sheet-specific text and callouts with associated leader lines and arrowheads.

**ANNO-XREF

An AutoCAD user-specific layer for use in attachment of external references (i.e., reference files).

Development of sheet files

As mentioned previously, reference files are used in the construction of sheet files. The user opens the sheet file type from Appendix B that is appropriate to his/her discipline then references existing model files.

Example: In order to create a final Plumbing Plan sheet file (see Figure 30), the engineer would first open/create a new sheet file. The border sheet model file would be referenced first, and the engineer would continue to reference other model files, such as the Architectural Floor Plan and the Plumbing Piping Plan. The engineer would have to "turn off" levels/layers within each referenced model file to achieve the desired sheet file. Finally, the ten sheet file levels/layers such as P-ANNO-TEXT would be used to fill in sheet-specific information (e.g., sheet number, designer name, etc.). Once the final sheet file is achieved, the resulting file is saved.

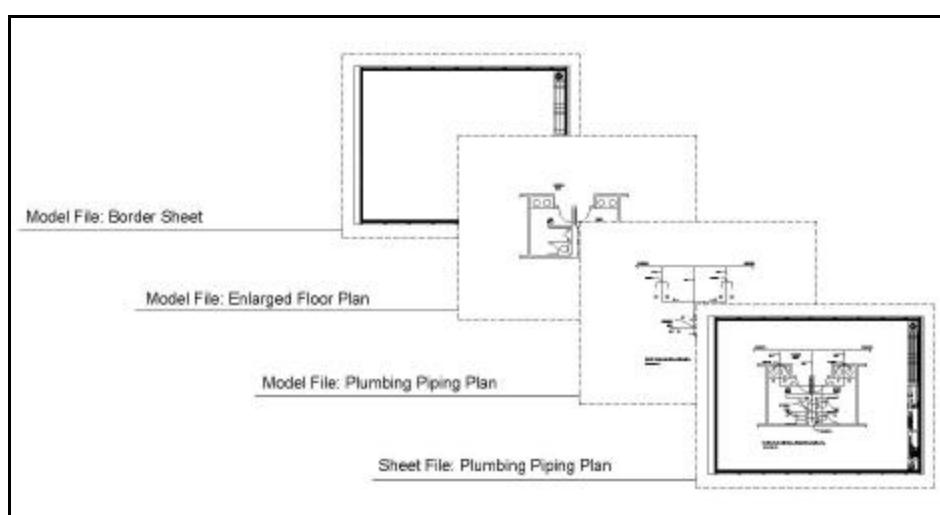


Figure 30. By referencing multiple model files, a sheet file can be built without redundant effort.

5 Standard Symbology

Introduction

A “cell” in MicroStation and a “block” in AutoCAD are groups of graphical elements that can be manipulated as a single entity. Examples of typical cells/blocks are windows, doors, graphic scale keys, furniture, steel sections, etc. The use of such symbology enhances CADD productivity and provides an excellent opportunity for CADD standardization.

Electronic Version of the Symbology/Elements

Within the electronic deliverables available as part of the A/E/C CADD Standards, the symbology is provided as (see Figure 30):

- MicroStation cells contained in cell libraries (.cel) and custom line styles contained in resource files (.rsc). These cell libraries/resource files are grouped first according to discipline, then sorted according to symbology element type.
- AutoCAD blocks, each in an individual drawing (.dwg) file, and custom line styles in a line type library file (.lin). These blocks/library files are also grouped by discipline, then sorted according to symbology element type.

Line styles

Line style definitions determine the particular dash-dot sequence and relative length of dashes, blank spaces, and the characteristics of any included text or shapes. Working with line

styles provide a means of distinguishing the purpose of one line from another.

AutoCAD and MicroStation both provide a set of standard line styles, as well as allowing the user to define custom line styles. In AutoCAD these custom line styles are defined in a line type library file (.lin), and in MicroStation custom line styles are contained in resource files (.rsc).

Note: *Custom line styles do not readily translate between systems, therefore users should anticipate that translated custom line styles will be broken down into their primitive graphics.*

Tabulated Version of the Symbology/Elements

Graphical presentations of the entire symbology library are shown in Appendix E “A/E/C CADD Symbology.”

As shown in Figure 31, the symbology library is broken down into four categories: Lines, Patterns, Symbols, and Objects. Lines are defined as a graphical representation of linear drawing features (e.g., utility lines, fence lines, contours, etc.). Patterns are defined as repeated drawing elements (e.g., lines, dots, circles, etc.) within a defined area. Symbols are defined as MicroStation cells or AutoCAD blocks that represent objects that are not required to be scaled based upon their actual size (e.g., electrical outlets, smoke detectors, etc.). Objects are defined as MicroStation cells or AutoCAD blocks that represent objects that are required to be scaled based upon their actual size (e.g., 30" x 50" desk, scale bars, etc.).

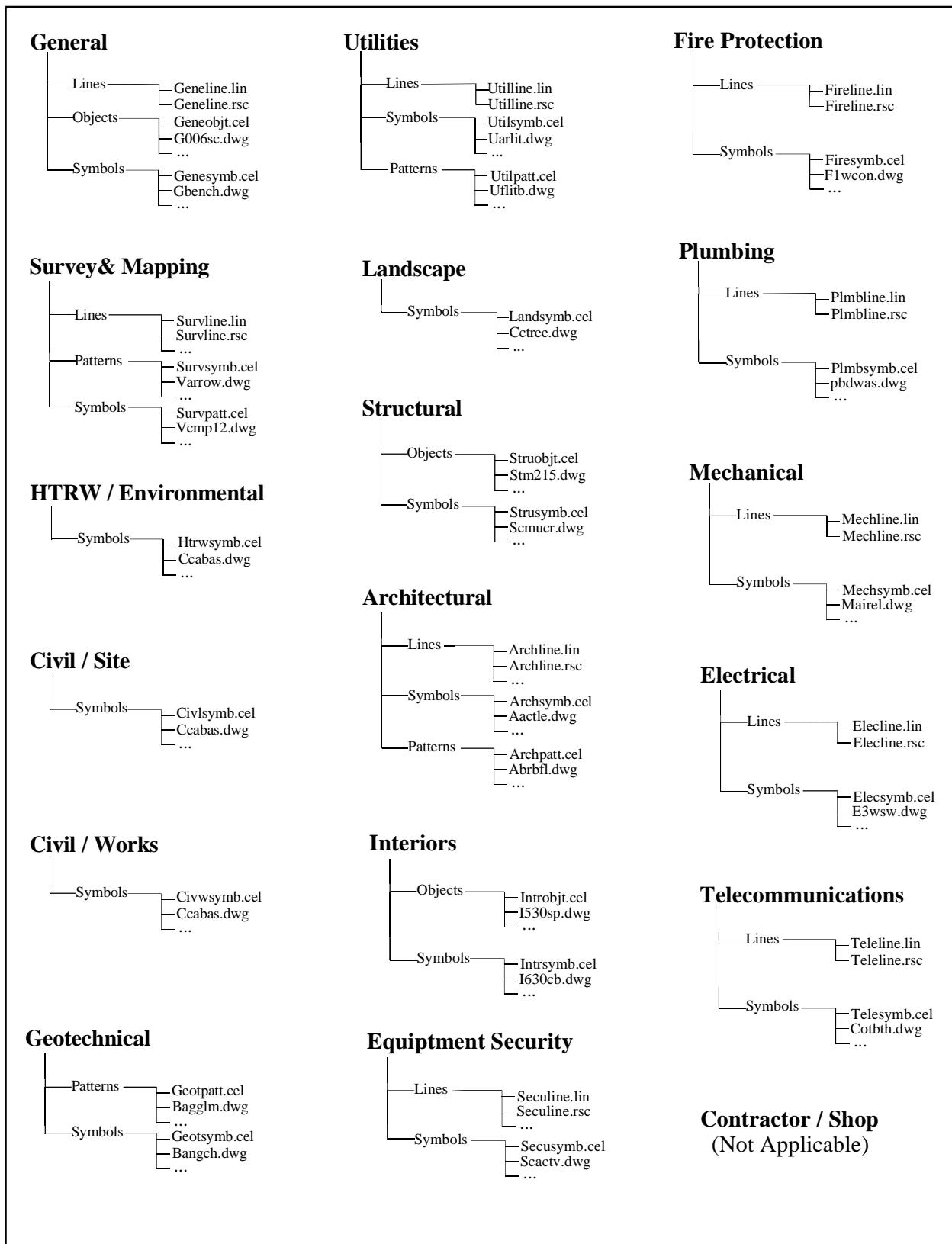


Figure 31. Symbology Directory Structure

Examples of the four element types are shown in Figures 32-35 and include the following information:

Name - The name of the line type, pattern, symbol or object. This is the name used when accessing the element with AutoCAD or MicroStation.

Element Type - The type of element that the symbology represents. The four types are:

- Line: (e.g., utility lines, fence lines, etc.).
- Pattern: Hatch patterns.
- Symbol: An element that is representative and does not have a specific size (e.g., duplex outlet, arrows, etc.).
- Object: An element that has a specific size (e.g., 30" X 50" desk, scale bars, etc.).

Description - A brief explanation of what the symbol represents.

GIS - Related Symbols

Many disciplines, such as Civil/Site, Survey and Mapping, and Utilities, have symbols that may be used by A/E/C disciplines but are not shown in Appendix E. These “missing” symbols, due to their more frequent use in Geographical Information Systems (GIS) - related work, can be found in the *Tri-Service Spatial Data Standards* (TSSDS). These standards can be obtained from the Tri-Service CADD/GIS Technology Center by e-mailing carpenb@ex1.wes.army.mil or visiting the TSTC’s Web site at <http://tsc.wes.army.mil>.

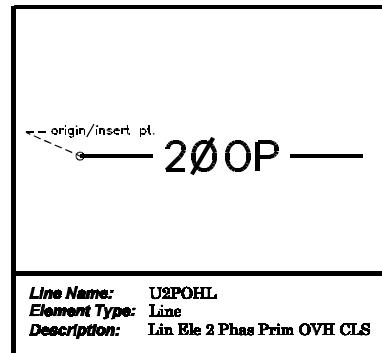


Figure 32. Line element

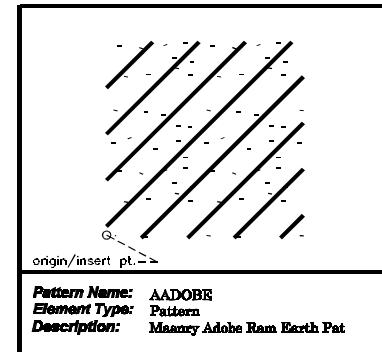


Figure 33. Pattern element

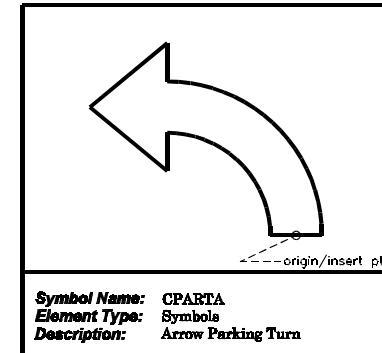


Figure 34. Symbol element

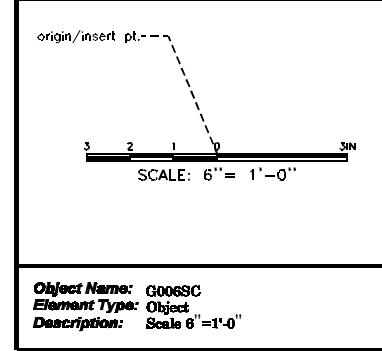


Figure 35. Object element

6 Tri-Service A/E/C Workspace

Introduction

CADD users throughout the tri-services have indicated a need for customized shortcuts or utilities to facilitate efficient production of architectural and engineering CADD documents. Many have constructed such utilities for use in their own offices. An important function of such utilities is to provide an easy way to produce CADD drawings according to the Tri-Service A/E/C CADD Standards.

The Tri-Service CADD/GIS Center is developing an application for both AutoCAD and MicroStation that creates a transparent environment for implementing the A/E/C CADD Standards. This application, the tri-service workspace, will be a collection of resources that will help users conform to the Tri-Service A/E/C CADD Standards in a user-friendly environment. A sample screen shot from this workspace as developed for the MicroStation environment is shown in Figure 36. Information on the workspace can be obtained from the Tri-Service CADD/GIS Technology Center web site at <http://tsc.wes.army.mil>.

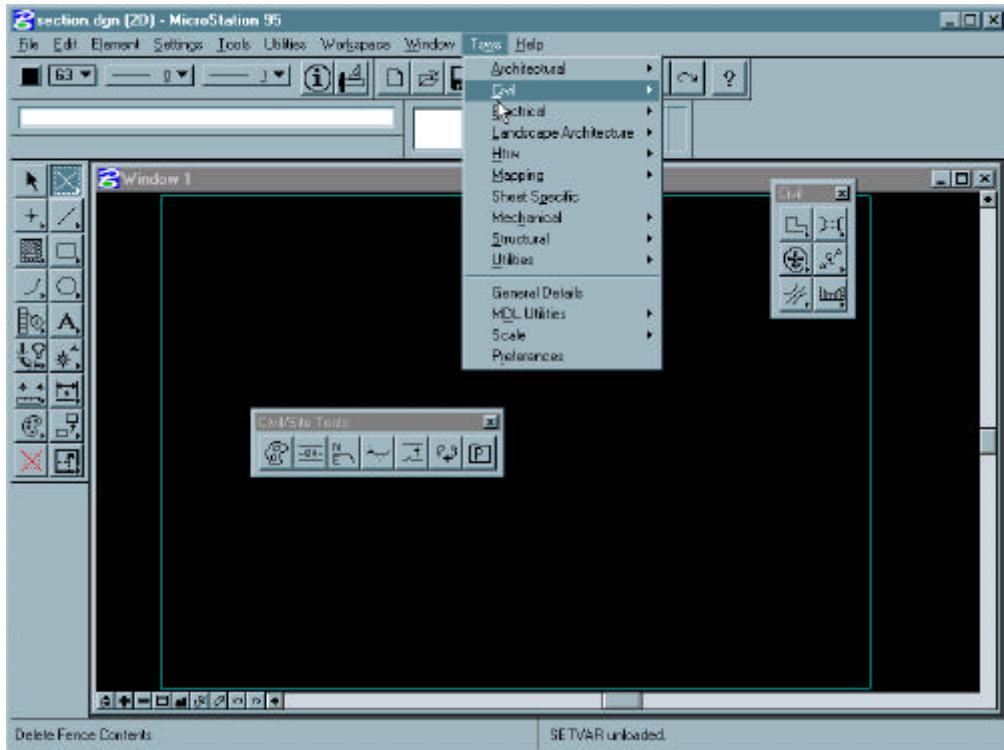


Figure 36. Civil/Site workspace palettes. (The Tri-Service Design Field Working Group and CADD managers from South Atlantic Division, Rock Island District, and Fort Worth District have been key contributors to the development of this workspace).

7 Deliverables and Data Exchange

General

The need to exchange digital data (drawing files and database information) between DoD elements (and the A-E community) necessitates answering many questions about electronic media, file format, etc. The overview presented herein should not be considered a standard or all-inclusive. It is presented only as a checklist of pertinent items. A more thorough analysis of data exchange is available in the Tri-Service CADD/GIS Technology Center's publication, "Tri-Service Standards, Part 1.1 - CADD A-E Deliverables" (Carpenter et al. 1995). This report is available by contacting Mr. Bobby Carpenter at the Tri-Service CADD/GIS Technology Center (1-800-522-6937, x4572).

Delivery Media

The preferred type of media for data exchange depends both on the hardware/software platforms utilized in creating a drawing/data file and the size of the file. Generally, digital data sets larger than 9 megabytes (Mb) should be furnished via magnetic tape, optical disk, or compact disc-read only memory (CD-ROM), and not on multiple diskettes.

Note: *For archiving data, CD-ROM is the preferred format due to its extended shelf life. Magnetic tape media should be transferred to new tapes or CDs within one year of creation.*

The most common and generally acceptable digital media consist of:

- a. 3-1/2-in. high-density floppy disks.

- b. High density disk (e.g., Bernouli Disk, Zip Disk, JAZ Disk).
- c. 8-mm magnetic tape cartridge.
- d. 4-mm magnetic tape cartridge (e.g., Colorado Jumbo Tapes).
- e. 5-1/4-in. read/write (R/W) optical disk.
- f. CD-ROM.

When exchanging digital media, an external label should contain, at a minimum, the following information:

- a. Format and version (e.g., Windows NT 4.0) of the operating system on which the media was created.
- b. Utility (command) used for writing the files to disk.
- c. Sequence number (for multiple diskettes, etc.)
- d. A short description of contents.

In addition, a transmittal sheet should accompany the media containing, at a minimum, the following information:

- a. Information included on the external label of each tape, diskette, etc.; total number of disks/tapes being delivered; and a list of the file names and file descriptions on each disk/tape.
- b. Instructions for restoring/transferring the files from the media.

- c. Certification that all delivery media is free of known computer viruses, including the name(s) of the virus scanning software used and the date the virus scan was performed.

Format

All digital files should be delivered in a format that is directly readable and compatible with the installation's CADD software and platforms without conversion. Before a file is placed on the delivery digital media, the following procedures should be performed:

- d. Remove all extraneous graphics outside the border area, and set the active parameters to a standard setting or those in the seed/prototype file.
- e. Make sure all reference (external reference) files are attached without device or directory specifications.
- f. Compress and reduce all files using the appropriate utilities. A digital media copy of the decompression utility should be provided with the deliverable media, if appropriate.
- g. Include all files, both graphic and nongraphic, required for the project (e.g., color tables, pen tables, font libraries, cell/block libraries, user command files, plot files, etc.).
- h. Make sure that all support files such as those listed above are in the same directory and that references to those files do not include device or directory specifications.
- i. Include any standard sheets (i.e., abbreviation sheets, standard symbol sheets, etc.) necessary for a complete project.
- j. Document any nonstandard fonts, tables, symbols, etc., developed by the A-E or not provided with the government furnished material.

Documentation

Complete documentation (e.g., data input procedures), pen settings, lock settings, reference files, cells, level assignments and history (e.g., when developed/ modified) information for each file should be included on level/layer *-ANNO-NPLT (* represents the design discipline). Documentation of the plot for each drawing is needed to duplicate the plot at a later date and should be provided with the deliverables.

Hard Copy

A-E's should provide one full-size (or half-size at the preference of the installation) hard copy (usually mylar, paper, or vellum) of each finished drawing with the final submittal. A hard copy of the documentation for each file should also be provided with each submittal on the size and type of media as preferred by the installation and negotiated in the A-E contract.

Ownership

The Government's rights to ownership of the digital data and other deliverables developed by the A-E under the contract must be clearly defined in the technical contract provisions. The Government has a legal right to demand unrestricted ownership to all data, designs, and materials for which the Government has paid 100 percent of the development cost. If the Contractor has to develop data, designs, or materials above and beyond what the Government specifies and pays for 100 percent, then the Contractor owns the rights to that percentage.

A statement similar to the following should be included in each A-E contract:

The Government, for itself and such others as it deems appropriate, will have unlimited rights under this contract to all information and materials developed under this contract and furnished to the Government and documentation

thereof, reports and listings, and all other items pertaining to the work and services pursuant to this agreement including any copyright. Unlimited rights under this contract are rights to use, duplicate, or disclose data, and information, in whole or in part in any manner and for any purpose whatsoever without compensation to or approval from the Contractor. The Government will at all reasonable times have the right to inspect the work and will have access to and the right to make copies of the above-mentioned items. All digital files and data, and other products generated under this contract, shall become the property of the Government. By reference, the following DFAR clauses are included in this contract as a part of the requirements herein:

- a. DFAR 252.227-7013, "Rights in Technical Data and Computer Software."*
- b. DFAR 252.227-7018, "Restrictive Markings on Technical Data."*
- c. DFAR 252.227-7019, "Identification of Restricted Rights Computer Software."*
- d. DFAR 252.227-7028, "Requirement for Technical Data Representation."*
- e. DFAR 252.227-7037, "Validation of Restrictive Markings on Technical Data."*

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Appendix A

Model File Level/Layer Assignment Tables

This appendix provides the model file level/layer assignment tables:

General

Border Sheet	A3
Key Plan	A4

Survey and Mapping

Demolition Plan	A5
Survey and Mapping Plan	A6
Sections/Elevations	A8

HTRW/Environmental

Demolition Plan	A9
Industrial Water Plan	A10
Waste Water Plan	A11
Sections	A12
Details	A13

Civil/Site

Demolition Plan	A14
Site Plan	A15
Grading Plan	A17
Transportation Site Plan	A18
Transportation Pavement Plan	A19
Channel Plan	A20
Airfield Plan	A21
Airfield Pavement Plan	A22
Sections/Elevations	A23
Details	A25

Civil Works

Demolition Plan	A26
Civil Works Plan	A27
Elevations	A29
Sections	A30

Geotechnical

Demolition Plan	A31
Boring Log	A32
Sections	A33
Details	A34

Utilities

Demolition Plan	A35
Electrical Utilities Plan	A36
EMCS Plan	A38
Fuel Utilities Plan	A39
Gas Utilities Plan	A40
Poles Plan	A41
HTCW Utilities Plan	A42
Domestic Water Plan	A44
One-Line Diagrams	A45

Landscape Architecture

Demolition Plan	A46
Irrigation Plan	A47
Landscape Plan	A48
Turfing Plan	A49
Details	A50

Structural

Demolition Plan	A51
Foundation Plan	A52
Structural Framing Plan	A54
Column Plan	A55
Elevations	A56
Building Sections	A57
Details	A58

Architectural

Demolition Plan	A59
Floor Plan	A60
Reflected Ceiling Plan	A62
Roof Plan	A63
Elevations (Exterior and Interior)	A64
Finish Plan	A65
Building Sections	A66
Details	A67
Equipment Plan	A68
Life Safety Plan	A69
Area Calculations/Occupancy Plan	A70

Interior Design

Demolition Plan	A71
Furniture Plan	A72
System Furniture Plan/ Workstation Typical	A73
Signage Plan	A74
Interior Elevations	A75
Details	A76

Equipment - Security Systems

Demolition Plan	A77
Security Plan	A78
Elevations	A80
Riser Diagrams	A81

Fire Protection/Suppression

Demolition Plan	A82
Sprinkler Plan	A83
Riser Diagrams	A84

Plumbing

Demolition Plan	A85
Piping Plan	A86
Riser Diagrams	A87

Mechanical

Demolition Plan	A88
HVAC Plan	A89
Piping Plan	A91
Specialty Piping and Equipment	A93
Machine Design	A95
Material Handling Plan	A96
Controls Plan	A97
Elevations	A98
Building Sections	A99
Details	A100

Electrical

Demolition Plan	A101
Lighting Plan	A102
Power Plan	A103
Auxiliary Power Plan	A105
Grounding System	A107
One-Line Diagrams	A108
Riser Diagrams	A109
Details	A110

Telecommunications

Demolition Plan	A111
Communications System Plan	A112
Block/Riser Diagrams	A114

Discipline: General

Model File Type: Border Sheet

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
5	G-ANNO-NOTE	G-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
6	G-ANNO-SYMB	G-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	G-ANNO-TEXT	G-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	0.35	Y/2	Y/4
10	G-ANNO-TTLB	G-ANNOTTP-*	Border and title block linework	0	V	V	V

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: General

Model File Type: Keyplan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
3	G-ANNO-NPLT	G-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	G-ANNO-PATT	G-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	G-ANNO-SYMB	G-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	G-ANNO-TEXT	G-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	G-ANNO-XREF	G-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines							
11	S-GRID-HORZ	S-GRIDHOM-	Column grid outside building (should be referenced from Structural Column Plan if possible)	7	0.18	B/5	B/1
12	S-GRID-IDEN	S-GRIDIDM-	Column tags (should be referenced from Structural Column Plan if possible)	0	0.35	Y/2	Y/4
13	S-GRID-VERT	S-GRIDVEM-	Column grid outside building (should be referenced from Structural Column Plan if possible)	7	0.18	B/5	B/1
Floor Information							
15	G-PLAN-OTLN	G-PLANOTM-	Floor outline/perimeter/building footprint (should be referenced from Floor Plan if possible)	0	0.35	M/6	M/5
Site Information							
20	G-SITE-OTLN	G-SITEOTM-	Site plan - keyplan	0	0.35	M/6	M/5

V=Varies, NA=Not Applicable

Discipline: Survey and Mapping

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	V-ANNO-XREF	V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	V-DEMO-HAZW	V-DEMOHAM-	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXIST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	V-STAT-NICH	V-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Survey and Mapping

Model File Type: Survey and Mapping Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	V-ANNO-XREF	V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Coordinate Grid							
8	V-GRID-TICS	V-GRIDTIM-	Coordinate grid tics and text	0	0.25	R/1	R/3
Survey Lines							
9	V-SURV-LINE	V-SURVLIM-	Survey and control line	2	0.50	C/4	C/7
10	V-SURV-IDEN	V-SURVIDM-	Survey and control line annotation	0	0.35	M/6	M/5
Building and Primary Structures							
11	V-BLDG-IDEN	V-BLDGIDM-	Annotation	0	0.35	Y/2	Y/4
12	V-BLDG-OTLN	V-BLDGOTM-	Building and primary structures - outline	0	0.50	C/4	C/7
Site							
14	V-SITE-FENC	V-SITEFEM-	Fences	0	0.35	M/6	M/5
16	V-SITE-IDEN	V-SITEIDM-	Annotation	0	0.35	M/6	M/5
19	V-SITE-SIGN	V-SITESIM-	Signs	0	0.50	C/4	C/7
21	V-SITE-WALK	V-SITEWAM-	Walks and trails	0	0.18	Gr8	Gr/9
Property							
23	V-PROP-BRNG	V-PROPRBRM-	Bearings and distance labels	0	0.70	W/7	W/0
25	V-PROP-ESMT	V-PROPESM-	Easements with annotation	3	0.50	C/4	C/7
26	V-PROP-LINE	V-PROPLIM-	Property lines with annotation	8	0.50	C/4	C/7
27	V-PROP-RWAY	V-PROPRWM-	Right of ways with annotation	3	0.70	W/7	W/0
Embankments							
29	V-EMBK-CNTL	V-EMBKCNM-	Embankment centerlines	7	0.25	G/3	G/2
30	V-EMBK-EDGE	V-EMBKEDM-	Embankment edge and object lines	0	0.18	B/5	B/1
31	V-EMBK-IDEN	V-EMBKIDM-	Embankment annotation	0	0.25	R/1	R/3
Pavements/Transportation							
32	V-PAVE-ROAD	V-PAVEROM-	Roads, parking lots, railroads, airfield pavements	0	0.25	R/1	R/3
33	V-PAVE-IDEN	V-PAVEIDM-	Roads, parking lots, railroads, airfield pavements annotation	0	0.35	Y/2	Y/4
34	V-PAVE-PATT	V-PAVEPAM-	Joint patterns, text and dimensions	0	0.35	Y/2	Y/4
35	V-PAVE-MARK	V-PAVEMAM-	Pavement markings	0	0.35	R/1	R/3
Storm Drainage							
36	V-STRM-DRNG	V-STRMDRM-	Storm drainage, headwalls, inlets, manholes, culverts, drainage structures	0	0.35	R/1	R/3
37	V-STRM-DTCH	V-STRMDTM-	Ditches with annotation	0	0.35	Y/2	Y/4
38	V-STRM-IDEN	V-STRMIDM-	Storm drainage, headwalls, inlets, manholes, culverts, drainage structures annotation	0	0.35	Y/2	Y/4
39	V-STRM-POND	V-STRMPOM-	Ponds with annotation	0	0.35	M/6	M/5

V=Varies, NA=Not Applicable

Discipline: Survey and Mapping

Model File Type: Survey and Mapping Plan

Topography				0	0.25	R/1	R/3
40	V-TOPO-COOR	V-TOPOCOM-	Coordinates	0	0.25	R/1	R/3
41	V-TOPO-MAID	V-TOPOMAM-	Major contours - annotation	0	0.50	C/4	C/7
42	V-TOPO-MAJR	V-TOPOMJM-	Major contours	0	0.50	C/4	C/7
43	V-TOPO-MIID	V-TOPOMIM-	Minor contours - annotation	0	0.35	Y/2	Y/4
44	V-TOPO-MINR	V-TOPOMNM-	Minor contours	0	0.35	Y/2	Y/4
48	V-TOPO-SPOT	V-TOPOSQM-	Spot elevations	0	0.50	C/4	C/7
Utilities				7	0.25	R/1	R/3
59	V-UTIL-GASP	V-UTILGAM-	Gas piping, features, valves and text	0	0.35	Y/2	Y/4
60	V-UTIL-PIPE	V-UTILPIM-	Other piping and text	0	0.35	M/6	M/5
61	V-UTIL-POWR	V-UTILPOM-	Power lines, lights, telephone lines, features, poles and text	0	0.35	M/6	M/5
62	V-UTIL-WATR	V-UTILWAM-	Water piping, hydrants, tanks, valves and text	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	V-STAT-FUTR	V-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	V-STAT-NEWW	V-STATNEM-*	New work	0	0.50	C/4	C/7
55	V-STAT-NICN	V-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Survey and Mapping

Model File Type: Sections/Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	V-ANNO-XREF	V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	V-BLDG-IDEN	V-BLDGIDM-	Annotation	0	0.35	Y/2	Y/4
12	V-BLDG-OTLN	V-BLDGOTM-	Building and primary structures - outline	0	0.50	C/4	C/7
Site							
14	V-SITE-FENC	V-SITEFEM-	Fences	V	0.35	M/6	M/5
16	V-SITE-IDEN	V-SITEIDM-	Annotation	0	0.35	M/6	M/5
17	V-SITE-IMPR	V-SITEIMM-	Site improvements	V	0.35	M/6	M/5
19	V-SITE-SIGN	V-SITESIM-	Signs	0	0.50	C/4	C/7
20	V-SITE-WALK	V-SITEWAM-	Walks and trails	V	0.35	Gr/8	Gr/9
Property							
23	V-PROP-BRNG	V-PROPBMRM-	Bearings and distance labels	0	0.70	W/7	W/0
24	V-PROP-CONS	V-PROPCOM-	Construction limits with annotation	7	0.70	W/7	W/0
25	V-PROP-ESMT	V-PROPESM-	Easements with annotation	3	0.50	C/4	C/7
27	V-PROP-RWAY	V-PROPRWM-	Right of ways with annotation	3	0.50	C/4	C/7
Topography							
39	V-TOPO-BORE	V-TOPOBOM-	Soil boring layout	0	0.35	Y/2	Y/4
41	V-TOPO-MAID	V-TOPOMAM-	Major contours - annotation	0	0.50	C/4	C/7
42	V-TOPO-MAJR	V-TOPOMJM-	Major contours	0	0.50	C/4	C/7
43	V-TOPO-MIID	V-TOPOMIM-	Minor contours - annotation	0	0.35	Y/2	Y/4
44	V-TOPO-MINR	V-TOPOMNM-	Minor contours	0	0.35	Y/2	Y/4
45	V-TOPO-RTWL	V-TOPORTM-	Retaining wall	0	0.25	R/1	R/3
46	V-TOPO-SLID	V-TOPOSLM-	Cut/fill slopes - annotation	0	0.35	Y/2	Y/4
47	V-TOPO-SLOP	V-TOPOSOM-	Cut/fill slopes	0	0.35	Y/2	Y/4
48	V-TOPO-SPOT	V-TOPOSQM-	Spot elevations	0	0.50	C/4	C/7
49	V-TOPO-XSPR	V-TOPOXSM-	Profiles and x-sections, grid borders, grid lines, coordinate grid with annotation	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	V-STAT-FUTR	V-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	V-STAT-NEWW	V-STATNEM-*	New work	0	0.50	C/4	C/7
55	V-STAT-NICN	V-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP [*]	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP [*]	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP [*]	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP [*]	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP [*]	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP [*]	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEPE [*]	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP [*]	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	H-DEMO-HAZW	H-DEMOHAM [*]	Hazardous waste	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM [*]	Demolition	2	0.35	M/6	M/5
51	H-STAT-EXIST	H-STATEXM [*]	Existing to remain	0	0.25	G/3	G/2
53	H-STAT-MOVE	H-STATMOM [*]	Items to be moved	5	0.35	M/6	M/5
55	H-STAT-NICN	H-STATNIIM [*]	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM [*]	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM [*]	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM [*]	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Industrial Water Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	H-INDW-DEVC	H-INDWDEM-	Grit chambers, markers, meters, flumes, neutralizers, oil/water separators, pumps, ejectors, tanks, and valves	0	0.35	M/6	M/5
Piping							
14	H-INDW-ABND	H-INDWABM-	Abandoned piping	2	0.35	M/6	M/5
15	H-INDW-FLOW	H-INDWFLM-	Flow direction arrows	0	0.35	M/6	M/5
17	H-INDW-FTTG	H-INDWFTM-	Caps and cleanouts	0	0.35	M/6	M/5
18	H-INDW-IDEN	H-INDWIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
19	H-INDW-MAIN	H-INDWMAM-	Main industrial water piping	0	0.35	M/6	M/5
20	H-INDW-SERV	H-INDWSEM-	Industrial water service piping	0	0.35	M/6	M/5
Junction Boxes							
22	H-INDW-JBOX	H-INDWJBM-	Junction boxes and manholes	0	0.25	R/1	R/3
Reservoirs							
25	H-INDW-LAGN	H-INDWLAM-	Lagoons	0	0.35	M/6	M/5
27	H-INDW-RSID	H-INDWRIM-	Identifier tags, symbol modifier, and text	0	0.35	M/6	M/5
Stations							
31	H-INDW-ANOD	H-INDWANM-	Anode test stations	0	0.35	M/6	M/5
32	H-INDW-PLNT	H-INDWPLM-	Treatment plants	0	0.35	M/6	M/5
33	H-INDW-PUMP	H-INDWPUM-	Pump stations	0	0.35	M/6	M/5
34	H-INDW-STID	H-INDWSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	H-STAT-FUTR	H-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	H-STAT-NEWW	H-STATNEM-	New work	0	0.50	C/4	C/7
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: HTRW/Environmental

Model File Type: Waste Water Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	H-WWTR-DEVC	H-WWTRDEM-	Downspouts, grease traps, grit chambers, markers, meters, flumes, neutralizers, oil/water separators, pumps, ejectors, septic tanks, tanks, and valves	0	0.35	M/6	M/5
Piping							
14	H-WWTR-ABND	H-WWTRABM-	Abandoned piping	2	0.35	M/6	M/5
15	H-WWTR-FLOW	H-WWTRFLM-	Flow direction arrows	0	0.35	M/6	M/5
17	H-WWTR-FTTG	H-WWTRFTM-	Caps and cleanouts	0	0.35	M/6	M/5
18	H-WWTR-IDEN	H-WWTRIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
19	H-WWTR-MAIN	H-WWTRMAM-	Main waste water piping	0	0.35	M/6	M/5
20	H-WWTR-SERV	H-WWTRSEM-	Waste water service piping	0	0.35	M/6	M/5
Junction Boxes							
22	H-WWTR-JBOX	H-WWTRJBM-	Distribution boxes, junction boxes and manholes	0	0.25	R/1	R/3
Areas							
24	H-WWTR-FILT	H-WWTRFIM-	Filtration beds	0	0.25	G/3	G/2
25	H-WWTR-LAGN	H-WWTRLAM-	Lagoons	0	0.25	G/3	G/2
26	H-WWTR-NITE	H-WWTRNIM-	Nitrification drain fields	0	0.25	G/3	G/2
27	H-WWTR-RSID	H-WWTRRIM-	Identifier tags, symbol modifier, and text	0	0.25	G/3	G/2
Stations							
31	H-WWTR-ANOD	H-WWTRANM-	Anode test stations	0	0.35	M/6	M/5
32	H-WWTR-PLNT	H-WWTRPLM-	Treatment plants	0	0.35	M/6	M/5
33	H-WWTR-PUMP	H-WWTRPUM-	Pump stations	0	0.35	M/6	M/5
34	H-WWTR-STID	H-WWTRSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	H-STAT-FUTR	H-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	H-STAT-NEWWW	H-STATNEM-*	New work	0	0.50	C/4	C/7
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: HTRW/Environmental

Model File Type: Sections

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	H-ANNO-KEYN	H-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	H-SECT-IDEN	H-SECTIDM-	Component identification numbers	0	0.35	Y/2	Y/4	
46	H-SECT-MBND	H-SECTMBM-	Material beyond section cut	0	0.18	B/5	B/1	
47	H-SECT-MCUT	H-SECTMCM-	Material cut by section	0	0.50	C/4	C/7	
48	H-SECT-PATT	H-SECTPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	H-STAT-DEMO	H-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	H-STAT-FUTR	H-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	H-STAT-NEWW	H-STATNEM-*	New work	0	0.50	C/4	C/7	
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: HTRW/Environmental

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9
7	H-ANNO-TEXT	H-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	H-DETL-GENF	H-DETLGEM-	General features (miscellaneous items)	0	V	V	V
10	H-DETL-ACCS	H-DETLACM-	Accessories	0	0.25	G/3	G/2
19	H-DETL-CONC	H-DETLCOM-	Concrete	0	0.35	M/6	M/5
29	H-DETL-FILL	H-DETLFIM-	Fill/cover material	0	0.18	B/5	B/1
41	H-DETL-MEMB	H-DETLMEM-	Membrane/netting	2	0.25	R/1	R/3
44	H-DETL-PIPE	H-DETLPIM-	Pipe and conduit	0	0.35	M/6	M/5
45	H-DETL-PUMP	H-DETLPUM-	Pumps	0	0.35	Y/2	Y/4
49	H-DETL-STRC	H-DETLSTM-	Structural features	0	0.35	M/6	M/5
50	H-DETL-TANK	H-DETLTAM-	Tanks	0	0.35	Y/2	Y/4
56	H-DETL-VLVE	H-DETLVLM-	Valves and fittings	0	0.35	Y/2	Y/4
57	H-DETL-WIRE	H-DETLWIM-	Wiring	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	C-DEMO-HAZW	C-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	C-STAT-NICN	C-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Site Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	C-BLDG-IDEN	C-BLDGIDM-	Building annotation	0	0.35	Y/2	Y/4
12	C-BLDG-OTLN	C-BLDGOTM-	Building and primary structures - outline	0	0.50	C/4	C/7
Site							
14	C-SITE-FENC	C-SITEFEM-	Fences	0	0.35	M/6	M/5
15	C-SITE-HRAL	C-SITEHRM-	Handrails	0	0.25	R/1	R/3
16	C-SITE-IDEN	C-SITEIDM-	Site annotation	0	0.35	M/6	M/5
17	C-SITE-IMPR	C-SITEIMM-	Site improvements	0	0.35	M/6	M/5
18	C-SITE-RAMP	C-SITERAM-	Ramps	0	0.35	Y/2	Y/4
19	C-SITE-SIGN	C-SITESIM-	Signs	0	0.50	C/4	C/7
20	C-SITE-STRS	C-SITESTM-	Stairs	0	0.35	M/6	M/5
21	C-SITE-WALK	C-SITEWAM-	Walks and trails	0	0.25	G/3	G/2
Property							
23	C-PROP-BRNG	C-PROPBMR-	Bearings and distance labels	0	0.70	W/7	W/0
24	C-PROP-CONS	C-PROPCOM-	Construction limits/controls	8	0.70	W/7	W/0
25	C-PROP-ESMT	C-PROPESM-	Easements with annotation	3	0.50	C/4	C/7
26	C-PROP-LINE	C-PROPLIM-	Property lines with annotation	8	0.50	C/4	C/7
27	C-PROP-RWAY	C-PROPRWM-	Right of ways with annotation	3	0.70	W/7	W/0
Embankments							
29	C-EMBK-CNTL	C-EMBKCNM-	Embankment centerlines	7	0.25	G/3	G/2
30	C-EMBK-EDGE	C-EMBKEDM-	Embankment edge and object lines	0	0.18	B/5	B/1
31	C-EMBK-IDEN	C-EMBKIDM-	Embankment annotation	0	0.25	R/1	R/3
Alignments							
33	C-ALGN-OBJT	C-ALGNOBM-	Alignments	4	0.35	Y/2	Y/4
34	C-ALGN-IDEN	C-ALGNIDM-	Alignment annotation	0	0.35	Y/2	Y/4
Survey Lines							
36	C-SURV-LINE	C-SURVLIM-	Survey and control line	2	0.50	C/4	C/7
37	C-SURV-IDEN	C-SURVIDM-	Survey and control line annotation	0	0.35	M/6	M/5

V=Varies, NA=Not Applicable

Discipline: Civil/Site**Model File Type: Site Plan**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)						
50	C-STAT-DEMO	C-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)		2	0.35 M/6 M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain		0	0.35 Y/2 Y/4
52	C-STAT-FUTR	C-STATFUM-*	Future work		7	0.35 Y/2 Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved		5	0.35 M/6 M/5
54	C-STAT-NEWW	C-STATNEM-*	New work		0	0.50 C/4 C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract		3	0.18 Gr/8 Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)		0	0.35 Y/2 Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items		2	0.18 B/5 B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work		4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Grading Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Storm Drainage System							
11	C-STRM-CULV	C-STRMCUM-	Culverts, drainage inlets, storm drains	0	0.50	C/4	C/7
12	C-STRM-CURB	C-STRMCRM-	Storm drain inlets - curb	0	0.25	G/3	G/2
13	C-STRM-DTCH	C-STRMDTM-	Ditches with annotation	0	0.35	Y/2	Y/4
14	C-STRM-EROS	C-STRMERM-	Erosion control	0	0.50	C/4	C/7
15	C-STRM-HDWL	C-STRMHDM-	Storm drainage headwalls	0	0.25	G/3	G/2
16	C-STRM-IDEN	C-STRMIDM-	Culverts, headwalls, drainage inlets - annotation	0	0.35	Y/2	Y/4
17	C-STRM-MHNL	C-STRMMHM-	Storm drain manholes	0	0.25	G/3	G/2
18	C-STRM-POND	C-STRMPOM-	Ponds with annotation	0	0.35	M/6	M/5
19	C-STRM-UNDR	C-STRMUNM-	Storm drainage pipe-underground	3	0.35	Y/2	Y/4
Borrow Areas							
21	C-BORW-LINE	C-BORWLNM-	Borrow/Spoil area	2	0.35	Y/2	Y/4
22	C-BORW-IDEN	C-BORWIDM-	Borrow/Spoil area annotation	0	0.35	Y/2	Y/4
Topography							
38	C-TOPO-BKLN	C-TOPOBKM-	Topo breaklines	0	0.25	G/3	G/2
39	C-TOPO-BORE	C-TOPOBOM-	Soil boring layout	0	0.35	Y/2	Y/4
40	C-TOPO-COOR	C-TOPOCOM-	Coordinates	0	0.25	R/1	R/3
41	C-TOPO-MAID	C-TOPOMAM-	Major contours - annotation	0	0.50	C/4	C/7
42	C-TOPO-MAJR	C-TOPOMJM-	Major contours	0	0.50	C/4	C/7
43	C-TOPO-MIID	C-TOPOMIM-	Minor contours - annotation	0	0.35	Y/2	Y/4
44	C-TOPO-MINR	C-TOPOMNM-	Minor contours	0	0.35	Y/2	Y/4
45	C-TOPO-RTWL	C-TOPORTM-	Retaining wall	0	0.25	R/1	R/3
46	C-TOPO-SLID	C-TOPOSLSM-	Cut/fill slopes - annotation	0	0.35	Y/2	Y/4
47	C-TOPO-SLOP	C-TOPOSOM-	Cut/fill slopes	0	0.35	Y/2	Y/4
48	C-TOPO-SPOT	C-TOPOSPPM-	Spot elevations	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Transportation Site Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Roads							
11	C-ROAD-CNID	C-ROADCNM-	Centerline annotation	0	0.35	M/6	M/5
12	C-ROAD-CNTR	C-ROADCTM-	Centerlines	7	0.25	R/1	R/3
13	C-ROAD-CURB	C-ROADCUM-	Curbs with annotation	0	0.35	M/6	M/5
14	C-ROAD-GARD	C-ROADGAM-	Guardrails with annotation	0	0.35	M/6	M/5
15	C-ROAD-IDEN	C-ROADIDM-	Road - annotation	0	0.35	M/6	M/5
16	C-ROAD-OTLN	C-ROADOTM-	Road - outlines	0	0.35	Y/2	Y/4
Parking Lots and Minor Roads							
21	C-PKNG-CARS	C-PKNGCAM-	Graphic illustration of cars	0	0.35	Y/2	Y/4
22	C-PKNG-CNID	C-PKNGCNM-	Centerline annotation	0	0.35	M/6	M/5
23	C-PKNG-CNTR	C-PKNGCTM-	Centerlines	7	0.25	R/1	R/3
24	C-PKNG-CURB	C-PKNGCUM-	Curbs with annotation	0	0.35	M/6	M/5
25	C-PKNG-DRAN	C-PKNGDRM-	Parking lot drainage slope indications	0	0.18	B/5	B/1
26	C-PKNG-IDEN	C-PKNGIDM-	Parking lots and minor roads - annotation	0	0.35	M/6	M/5
27	C-PKNG-ISLD	C-PKNGISM-	Parking islands	0	0.35	Y/2	Y/4
28	C-PKNG-OTLN	C-PKNGOTM-	Parking lots and minor roads - outlines	0	0.35	Y/2	Y/4
29	C-PKNG-PVMK	C-PKNGPVM-	Pavement markings	0	0.35	Y/2	Y/4
30	C-PKNG-STRP	C-PKNGSTM-	Parking lot striping, handicapped symbols	0	0.35	Y/2	Y/4
Railroads							
33	C-RAIL-CNID	C-RAILCNM-	Centerline annotation	0	0.35	M/6	M/5
34	C-RAIL-CNTR	C-RAILCTM-	Centerlines	7	0.25	R/1	R/3
35	C-RAIL-IDEN	C-RAILIDM-	Railroad - annotation	0	0.35	M/6	M/5
36	C-RAIL-OTLN	C-RAILOTM-	Railroad - outlines	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Transportation Pavement Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Pavement							
39	C-PAVE-JOIN	C-PAVEJOM-	Pavement joints	0	0.35	M/6	M/5
40	C-PAVE-IDEN	C-PAVEIDM-	Pavement joint annotation	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Channel Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Channels							
30	C-CHAN-CNID	C-CHANCNM-	Centerline annotation	0	0.35	M/6	M/5
31	C-CHAN-CNTR	C-CHANCTM-	Centerlines	7	0.25	R/1	R/3
32	C-CHAN-IDEN	C-CHANIDM-	Channel - annotation	0	0.35	M/6	M/5
33	C-CHAN-LIMT	C-CHANLIM-	Channel control limits	0	0.35	M/6	M/5
34	C-CHAN-OTLN	C-CHANOTM-	Channel - outlines	0	0.35	Y/2	Y/4
35	C-CHAN-VERT	C-CHANVEM-	Channel vertical alignment	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Airfield Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOtep-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Taxiway							
11	C-TAXI-CNID	C-TAXICNM-	Centerline annotation	0	0.35	Y/2	Y/4
12	C-TAXI-CNTR	C-TAXICTM-	Centerlines	7	0.25	R/1	R/3
13	C-TAXI-IDEN	C-TAXIDM-	Taxiway - annotation	0	0.35	Y/2	Y/4
14	C-TAXI-JOIN	C-TAXIJOM-	Taxiway joints	0	0.35	Y/2	Y/4
15	C-TAXI-OTLN	C-TAXIOTM-	Taxiway - outlines	0	0.50	C/4	C/7
16	C-TAXI-SHLD	C-TAXISHM-	Shoulders with annotation	0	0.35	Y/2	Y/4
Apron							
18	C-APRN-CNID	C-APRNCNM-	Centerline annotation	0	0.35	Y/2	Y/4
19	C-APRN-CNTR	C-APRNCTM-	Centerlines	7	0.25	R/1	R/3
20	C-APRN-IDEN	C-APRNIDM-	Airfield apron - annotation	0	0.35	Y/2	Y/4
21	C-APRN-JOIN	C-APRNJOM-	Airfield joints	0	0.35	Y/2	Y/4
22	C-APRN-OTLN	C-APRNOM-	Airfield apron - outlines	0	0.50	C/4	C/7
23	C-APRN-SHLD	C-APRNSHM-	Shoulders with annotation	0	0.35	Y/2	Y/4
Overrun Areas							
25	C-OVRN-CNID	C-OVRNCNM-	Centerline annotation	0	0.35	Y/2	Y/4
26	C-OVRN-CNTR	C-OVRNCTM-	Centerlines	7	0.25	R/1	R/3
27	C-OVRN-IDEN	C-OVRNIDM-	Airfield overrun area - annotation	0	0.35	Y/2	Y/4
28	C-OVRN-JOIN	C-OVRNJOM-	Airfield overrun joints	0	0.35	Y/2	Y/4
29	C-OVRN-OTLN	C-OVRNOTM-	Airfield overrun area - outlines	0	0.50	C/4	C/7
Runway							
35	C-AIRF-CNTR	C-AIRFCTM-	Centerlines	7	0.25	R/1	R/3
36	C-AIRF-IDEN	C-AIRFIDM-	Airfield runway annotation	0	0.35	Y/2	Y/4
37	C-AIRF-RUNW	C-AIRFRUM-	Airfield runway edges	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Airfield Pavement Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Airfield Pavement Types							
31	C-PAVE-TYPA	C-PAVETAM-	Type A traffic area with annotation	4	0.50	C/4	C/7
32	C-PAVE-TYPB	C-PAVETBM-	Type B traffic area with annotation	5	0.50	C/4	C/7
33	C-PAVE-TYPC	C-PAVETCM-	Type C traffic area with annotation	6	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Sections/Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	V	0	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	V	0	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	V	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	V	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	V	0	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	C-BLDG-IDEN	C-BLDGIDM-	Building annotation	V	0.35	Y/2	Y/4
12	C-BLDG-OTLN	C-BLDGOTM-	Building and primary structures - outline	V	0.50	C/4	C/7
Site							
14	C-SITE-FENC	C-SITEFEM-	Fences	V	0.35	M/6	M/5
15	C-SITE-HRAL	C-SITEHRM-	Handrails	V	0.25	R/1	R/3
16	C-SITE-IDEN	C-SITEIDM-	Site annotation	V	0.35	M/6	M/5
17	C-SITE-IMPR	C-SITEIMM-	Site improvements	V	0.35	M/6	M/5
18	C-SITE-RAMP	C-SITERAM-	Ramps	V	0.35	Y/2	Y/4
19	C-SITE-SIGN	C-SITESIM-	Signs	V	0.50	C/4	C/7
20	C-SITE-STRS	C-SITESTM-	Stairs	V	0.35	M/6	M/5
21	C-SITE-WALK	C-SITEWAM-	Walks and trails	V	0.25	G/3	G/2
Property							
23	C-PROP-BRNG	C-PROPRBM-	Bearings and distance labels	V	0.70	W/7	W/0
24	C-PROP-CONS	C-PROPCOM-	Construction limits with annotation	V	0.70	W/7	W/0
25	C-PROP-ESMT	C-PROPESM-	Easements with annotation	V	0.50	C/4	C/7
27	C-PROP-RWAY	C-PROPRWM-	Right of ways with annotation	V	0.50	C/4	C/7
Topography							
39	C-TOPO-BORE	C-TOPOBOM-	Soil boring layout	V	0.35	Y/2	Y/4
41	C-TOPO-MAID	C-TOPOMAM-	Major contours - annotation	V	0.50	C/4	C/7
42	C-TOPO-MAJR	C-TOPOMJM-	Major contours	V	0.50	C/4	C/7
43	C-TOPO-MIID	C-TOPOMIM-	Minor contours - annotation	V	0.35	Y/2	Y/4
44	C-TOPO-MINR	C-TOPOMMN-	Minor contours	V	0.35	Y/2	Y/4
45	C-TOPO-RTWL	C-TOPORTM-	Retaining wall	V	0.25	R/1	R/3
46	C-TOPO-SLID	C-TOPOSLM-	Cut/fill slopes - annotation	V	0.35	Y/2	Y/4
47	C-TOPO-SLOP	C-TOPOSOM-	Cut/fill slopes	V	0.35	Y/2	Y/4
48	C-TOPO-SPOT	C-TOPOSPM-	Spot elevations	V	0.50	C/4	C/7
49	C-TOPO-XSPR	C-TOPOXSM-	Profiles and x-sections, grid borders, grid lines, coordinate grid with annotation	V	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

Discipline: Civil/Site**Model File Type: Sections/Elevations**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)						
50	C-STAT-DEMO	C-STATDEM-*	Demolition		2	0.35 M/6 M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain		0	0.25 G/3 G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work		7	0.35 Y/2 Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved		5	0.35 M/6 M/5
54	C-STAT-NEWW	C-STATNEM-*	New work		0	0.50 C/4 C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract		3	0.18 Gr/8 Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)		0	0.35 Y/2 Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items		2	0.18 B/5 B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work		4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	C-DETL-GENF	C-DETLGEM-	General features (miscellaneous items)	0	V	V	V
19	C-DETL-CONC	C-DETLCOM-	Concrete	0	0.35	M/6	M/5
20	C-DETL-COVR	C-DETLCOVM-	Covers and fittings	0	0.35	M/6	M/5
23	C-DETL-ERTH	C-DETLERM-	Earth	0	0.25	G/3	G/2
27	C-DETL-FAST	C-DETLFAM-	Fasteners	0	0.25	R/1	R/3
28	C-DETL-FENC	C-DETLFEM-	Fencing	0	0.35	M/6	M/5
29	C-DETL-FILL	C-DETLFIM-	Fill	0	0.18	B/5	B/1
43	C-DETL-PAVE	C-DETLPVM-	Pavements	0	0.35	Y/2	Y/4
44	C-DETL-PIPE	C-DETLPIM-	Piping	0	0.35	M/6	M/5
47	C-DETL-SPCF	C-DETLSPM-	Special features	0	0.35	Y/2	Y/4
49	C-DETL-STRC	C-DETLSTM-	Structural metal	0	0.35	M/6	M/5
50	C-DETL-TANK	C-DETLTAM-	Tanks	0	0.35	Y/2	Y/4
56	C-DETL-VLVE	C-DETLVLM-	Valves and fittings	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

Discipline: Civil Works

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP,-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP,-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP,-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP,-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP,-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP,-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEPE,-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP,-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	W-DEMO-HAZW	W-DEMOHAM,-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers							
50	W-STAT-DEMO	W-STATDEM,-*	Demolition	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM,-*	Existing to remain	0	0.25	G/3	G/2
53	W-STAT-MOVE	W-STATMOM,-*	Items to be moved	5	0.35	M/6	M/5
55	W-STAT-NICN	W-STATNIM,-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM,-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM,-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM,-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil Works

Model File Type: Civil Works Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Coordinate Grid							
8	W-GRID-TICS	W-GRIDTIM-	Coordinate grid tics and text	0	0.25	R/1	R/3
Alignments/Geometry							
9	W-CNTR-LINE	W-CNTRLIM-	Centerlines	V	0.18	B/5	B/1
10	W-CNTR-IDEN	W-CNTRIDM-	Centerline annotation	0	0.35	Y/2	Y/4
Buildings and Structures							
11	W-BLDG-OTLN	W-BLDGOTM-	Buildings and other structures	V	0.35	M/6	M/5
12	W-BLDG-IDEN	W-BLDGIDM-	Buildings and other structures annotation	0	0.35	Y/2	Y/4
Site Improvement							
14	W-SITE-FENC	W-SITEFEM-	Fences	V	0.35	M/6	M/5
16	W-SITE-IDEN	W-SITEIDM-	Fence/ trail/ sign annotation	0	0.35	Y/2	Y/4
19	W-SITE-SIGN	W-SITESIM-	Signs	0	0.50	C/4	C/7
21	W-SITE-WALK	W-SITEWAM-	Walks and trails	V	0.18	Gr/8	Gr/9
Property							
25	W-PROP-ESMT	W-PROPESM-	Easements	2	0.70	W/7	W/8
26	W-PROP-LIMIT	W-PROPLIM-	Construction limits, staging area	7	0.70	W/7	W/8
27	W-PROP-RWAY	W-PROPRWM-	Right-of-ways	2	0.70	W/7	W/8
Topography							
37	W-TOPO-DTCH	W-POPODTM-	Swales, ditches	0	0.35	M/6	M/5
39	W-TOPO-BORE	W-POPOBOM-	Boring locations	0	0.35	Y/2	Y/4
38	W-TOPO-BKLN	W-POPOBKM-	Breaklines	0	0.25	G/3	G/2
41	W-TOPO-MAID	W-POPOMAM-	Major contours annotation	0	0.50	C/4	C/7
42	W-TOPO-MAJR	W-POPOMJM-	Major contours	0	0.50	C/4	C/7
43	W-TOPO-MIID	W-POPOMIM-	Minor contours annotation	0	0.35	Y/2	Y/4
44	W-TOPO-MINR	W-POPOMMM-	Minor contours	0	0.35	Y/2	Y/4
46	W-TOPO-SLID	W-POPOSIM-	Cut/fill slopes, top/toe slope annotation	0	0.35	Y/2	Y/4
47	W-TOPO-SLOP	W-POPOSIM-	Cut/fill slopes	0	0.35	Y/2	Y/4
48	W-TOPO-SPOT	W-POPOSIM-	Spot elevations, joint elevations	0	0.50	C/4	C/7
49	W-TOPO-SLTP	W-POPOSTM-	Top/toe slopes	0	0.35	M/6	M/5
Pavements/Transportation							
22	W-PAVE-ROAD	W-PAVEROM-	Roads, parking lots, railroads, curbs, runways, taxiway aprons	0	0.25	R/1	R/3
23	W-PAVE-IDEN	W-PAVEIDM-	Roads/parking lots/railroads/curbs/runways/taxiway aprons annotation	0	0.35	Y/2	Y/4
24	W-PAVE-PATT	W-PAVEPAM-	Joint patterns, text and dimensions	0	0.35	Y/2	Y/4
25	W-PAVE-MARK	W-PAVEMAM-	Pavement markings	0	0.25	R/1	R/3

V=Varies, NA=Not Applicable

Discipline: Civil Works

Model File Type: Civil Works Plan

Erosion Control					
29	W-EROS-STRC	W-EROSSTM-	Revetments, stone protection, breakwaters, dikes, jetties, drains	0	0.25 R/1 R/3
30	W-EROS-IDEN	W-EROSIDM-	Revetments/stone protection/breakwaters/dikes/jetties/drains annotation	0	0.35 Y/2 Y/4
Storm Drainage					
32	W-STRM-DRNG	W-STRMDRM-	Storm drainage, headwalls, inlets, manholes, culverts, drainage structures	0	0.25 R/1 R/3
33	W-STRM-IDEN	W-STRMIDM-	Storm drainage/headwalls/inlets/manholes/culverts/drainage structures annotation	0	0.35 Y/2 Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)					
50	W-STAT-DEMO	W-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35 M/6 M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.35 Y/2 Y/4
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35 Y/2 Y/4
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35 M/6 M/5
54	W-STAT-NEWW	W-STATNEM-*	New work	0	0.50 C/4 C/7
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18 Gr/8 Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35 Y/2 Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18 B/5 B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Civil Works

Model File Type: Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	W-ELEV-FIXT	W-ELEVFIM-	Miscellaneous fixtures	0	0.35	Y/2	Y/4
40	W-ELEV-IDEN	W-ELEVIDM-	Component identification numbers	0	0.35	Y/2	Y/4
41	W-ELEV-OTLN	W-ELEVOTM-	Building outlines	0	0.35	M/6	M/5
42	W-ELEV-PATT	W-ELEVPM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	W-STAT-DEMO	W-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	W-STAT-NEWW	W-STATNEM-*	New work	0	0.50	C/4	C/7
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil Works

Model File Type: Sections

Level #	Level/Layer Naming			Graphics			
	AIA Format	ISO Format	Level/Layer Description	Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Sections							
45	W-SECT-IDEN	W-SECTIDM-	Component identification numbers	0	0.35	Y/2	Y/4
46	W-SECT-MBND	W-SECTMBM-	Material beyond section cut	0	0.18	B/5	B/1
47	W-SECT-MCUT	W-SECTMCM-	Material cut by section	0	0.50	C/4	C/7
48	W-SECT-PATT	W-SECTPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	W-STAT-DEMO	W-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	W-STAT-NEWW	W-STATNEM-*	New work	0	0.50	C/4	C/7
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Geotechnical

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	B-ANNO-DIMS	B-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	B-ANNO-KEYN	B-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	B-ANNO-NOTE	B-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	B-ANNO-NPLT	B-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	B-ANNO-PATT	B-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	B-ANNO-SYMB	B-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	B-ANNO-TEXT	B-ANNOTEPI-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
NA	B-ANNO-XREF	B-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	B-DEMO-HAZW	B-DEMOHAM-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	B-STAT-DEMO	B-STATDEM-* Demolition		2	0.35	M/6	M/5
51	B-STAT-EXST	B-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	B-STAT-MOVE	B-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	B-STAT-NICH	B-STATNIIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	B-STAT-PHS#	B-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	B-STAT-RELO	B-STATREM-* Relocated items		2	0.18	B/5	B/1
58	B-STAT-TEMP	B-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Geotechnical

Model File Type: Boring Log

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	B-ANNO-KEYN	B-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	B-ANNO-NOTE	B-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	B-ANNO-SYMB	B-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	B-ANNO-TEXT	B-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	B-ANNO-XREF	B-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Borings/Perk Holes								
11	B-BORE-FLDI	B-BOREFLM-	Field information	0	0.25	G/3	G/2	
12	B-BORE-HOLE	B-BOREHOM-	Bore/perk hole locations	0	0.35	Y/2	Y/4	
13	B-BORE-IDEN	B-BOREIDM-	Component identification numbers	0	0.35	Y/2	Y/4	
14	B-BORE-LABI	B-BORELAM-	Laboratory information	0	0.25	R/1	R/3	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	B-STAT-DEMO	B-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	B-STAT-EXST	B-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	B-STAT-FUTR	B-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	B-STAT-MOVE	B-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	B-STAT-NEWW	B-STATNEM-*	New work	0	0.50	C/4	C/7	
55	B-STAT-NICH	B-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	B-STAT-PHS#	B-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	B-STAT-RELO	B-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	B-STAT-TEMP	B-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Geotechnical

Model File Type: Sections

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	B-ANNO-KEYN	B-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	B-ANNO-NOTE	B-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	B-ANNO-SYMB	B-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	B-ANNO-TEXT	B-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	B-ANNO-XREF	B-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	B-SECT-IDEN	B-SECTIDM-	Component identification numbers	0	0.35	Y/2	Y/4	
46	B-SECT-MBND	B-SECTMBM-	Material beyond section cut	0	0.18	B/5	B/1	
47	B-SECT-MCUT	B-SECTMCM-	Material cut by section	0	0.50	C/4	C/7	
48	B-SECT-PATT	B-SECTPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	B-STAT-DEMO	B-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	B-STAT-EXST	B-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	B-STAT-FUTR	B-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	B-STAT-MOVE	B-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	B-STAT-NEWW	B-STATNEM-*	New work	0	0.50	C/4	C/7	
55	B-STAT-NICH	B-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	B-STAT-PHS#	B-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	B-STAT-RELO	B-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	B-STAT-TEMP	B-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Geotechnical

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1	
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9	
6	B-ANNO-SYMB	B-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9	
7	B-ANNO-TEXT	B-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V	
Detail Information								
9	B-DETL-GENF	B-DETLGEM-	General features (miscellaneous items)	0	V	V	V	
16	B-DETL-BORE	B-DETLBOM-	Borings/perk holes	0	0.35	Y/2	Y/4	
17	B-DETL-FLDI	B-DETLFLM-	Field information	0	0.25	G/3	G/2	
18	B-DETL-LABI	B-DETLLAM-	Laboratory information	0	0.25	R/1	R/3	
19	B-DETL-CONC	B-DETLCOM-	Concrete	0	0.25	R/1	R/3	
20	B-DETL-GNDW	B-DETLGNM-	Ground water	0	0.35	M/6	M/5	
21	B-DETL-STRM	B-DETLSTM-	Storm water	0	0.35	Y/2	Y/4	
23	B-DETL-ERTH	B-DETLERM-	Earth/soil	0	0.25	G/3	G/2	
24	B-DETL-SURF	B-DETLSUM-	Surface areas	0	0.35	Y/2	Y/4	
25	B-DETL-SUBS	B-DETLSBM-	Sub-surface areas	0	0.35	Y/2	Y/4	
29	B-DETL-FILL	B-DETLFIM-	Fill/cover material	0	0.18	B/5	B/1	
43	B-DETL-PAVE	B-DETLPAM-	Pavements	0	0.35	Y/2	Y/4	
47	B-DETL-SPCF	B-DETLSPM-	Special features	0	0.35	Y/2	Y/4	

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	U-DEMO-HAZW	U-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	U-STAT-NICN	U-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Electrical Utilities Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Abandoned Electrical Cables							
10	U-CABL-ABND	U-CABLABM-	Abandoned electrical utility lines	2	0.35	M/6	M/5
Primary Electrical Cables							
11	U-PRIM-IDEN	U-PRIMIDM-	Identifier tags, symbol modifier, and text	0	0.35	M/6	M/5
12	U-PRIM-OVHD	U-PRIMOVMD-	Overhead electrical utility lines	4	0.35	M/6	M/5
13	U-PRIM-UNDR	U-PRIMUNM-	Underground electrical utility lines	3	0.35	M/6	M/5
Secondary Electrical Cables							
14	U-SCND-IDEN	U-SCNDIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
15	U-SCND-OVHD	U-SCNDOVMD-	Overhead electrical utility lines	4	0.35	Y/2	Y/4
16	U-SCND-UNDR	U-SCNDUNM-	Underground electrical utility lines	3	0.35	Y/2	Y/4
Service Cables							
17	U-SERV-IDEN	U-SERVIDM-	Identifiers tags, symbol modifier, and text	0	0.25	G/3	G/2
18	U-SERV-OVHD	U-SERVOVM-	Overhead electrical utility lines	4	0.25	G/3	G/2
19	U-SERV-UNDR	U-SERVUNM-	Underground electrical utility lines	3	0.25	G/3	G/2
Devices							
20	U-SITE-DEVC	U-SITEDEM-	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0	0.35	M/6	M/5
Ductbank							
21	U-SITE-DUCT	U-SITEDUM-	Ductbanks	0	0.25	G/3	G/2
Junction Boxes							
22	U-SITE-JBOX	U-SITEJBM-	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	0.25	R/1	R/3
Lights							
26	U-LITE-IDEN	U-LITEIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
27	U-LITE-FLOD	U-LITEFLM-	External flood lights	0	0.35	M/6	M/5
28	U-LITE-POLE	U-LITEPOM-	Pole mounted lights	0	0.35	M/6	M/5
29	U-LITE-STRT	U-LITESTM-	Street lights	0	0.35	M/6	M/5
30	U-LITE-WALK	U-LITEWAM-	Walkway lights	0	0.35	M/6	M/5
Substations							
32	U-SITE-SUBS	U-SITESUM-	Substations	0	0.35	Y/2	Y/4
Switches							
34	U-SITE-SWCH	U-SITESWM-	Fuse cutouts, pole mounted switches, circuit breakers, gang operated disconnects, reclosers, cubicle switches	0	0.25	R/1	R/3
Transformers							
37	U-TRAN-IDEN	U-TRANIDM-	Identifier tags, symbol modifier, and text	0	0.35	M/6	M/5
38	U-TRAN-POLE	U-TRANPOM-	Pole mounted transformers	0	0.35	M/6	M/5
Vaults							
40	U-SITE-VALT	U-SITEVAM-	Vaults	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

Discipline: Utilities**Model File Type: Electrical Utilities Plan**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)					
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35 M/6 M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35 Y/2 Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35 Y/2 Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35 M/6 M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50 C/4 C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18 Gr/8 Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35 Y/2 Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18 B/5 B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: EMCS Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
EMCS Cables							
10	U-EMCS-ABND	U-EMCSABM-	Abandoned cables	2	0.35	M/6	M/5
11	U-EMCS-IDEN	U-EMCSIDM-	Identifier tags, symbol modifier, and text	0	0.35	M/6	M/5
12	U-EMCS-OVHD	U-EMCSOVM-	Overhead cables	4	0.35	M/6	M/5
13	U-EMCS-UNDR	U-EMCSUNM-	Underground cables	3	0.35	M/6	M/5
Devices							
20	U-EMCS-DEVIC	U-EMCSDEM-	Field interfaces, multiplexers, markers	0	0.35	M/6	M/5
Ductbank							
21	U-EMCS-DUCT	U-EMCSDUM-	Ductbanks	0	0.25	G/3	G/2
Junction Boxes							
22	U-EMCS-JBOX	U-EMCSJBM-	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXIST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: Fuel Utilities Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	U-FUEL-DEVC	U-FUELDEM-	Air eliminators, filter strainers, hydrant fill points, line vents, markers, meters, oil/water separators, pumps, reducers, regulators, tanks, and valves	0	0.35	M/6	M/5
Stations							
14	U-FUEL-ANOD	U-FUELANM-	Anode test stations	0	0.35	M/6	M/5
15	U-FUEL-BOOS	U-FUELBOM-	Booster stations	0	0.35	M/6	M/5
16	U-FUEL-PUMP	U-FUELPU-	Pump stations	0	0.35	M/6	M/5
18	U-FUEL-STID	U-FUELSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Junction Boxes							
22	U-FUEL-JBOX	U-FUELJBM-	Junction boxes, manholes, handholes, test boxes	0	0.25	R/1	R/3
Pits							
25	U-FUEL-HYDR	U-FUELHYM-	Hydrant control pits	0	0.25	G/3	G/2
26	U-FUEL-PTID	U-FUELPI-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
27	U-FUEL-VENT	U-FUELVEM-	Vent pits	0	0.25	G/3	G/2
28	U-FUEL-VLVE	U-FUELVL-	Valve pits	0	0.25	G/3	G/2
Piping							
32	U-FUEL-ABND	U-FUELABM-	Abandoned piping	2	0.35	M/6	M/5
33	U-FUEL-FLOW	U-FUELFLM-	Flow direction arrows	0	0.35	M/6	M/5
36	U-FUEL-DEFL	U-FUELDEM-	Defueling piping	0	0.35	M/6	M/5
37	U-FUEL-FTTG	U-FUELFTM-	Caps	0	0.35	M/6	M/5
40	U-FUEL-IDEN	U-FUELIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
43	U-FUEL-MAIN	U-FUELMM-	Main fuel piping	0	0.35	M/6	M/5
46	U-FUEL-SERV	U-FUELSEM-	Service piping	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: Gas Utilities Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	U-GASP-DEVC	U-GASPDEM-	Hydrant fill points, lights, vents, markers, meters, pumps, reducers, regulators, sources, tanks, drip pots, taps, and valves	0	0.35	M/6	M/5
Stations							
14	U-GASP-ANOD	U-GASPNM-	Anode test stations	0	0.35	M/6	M/5
15	U-GASP-BOOS	U-GASPBM-	Booster stations	0	0.35	M/6	M/5
16	U-GASP-PUMP	U-GASPPUM-	Pump stations	0	0.35	M/6	M/5
17	U-GASP-REDC	U-GASPREM-	Reducing stations	0	0.35	M/6	M/5
18	U-GASP-STID	U-GASPSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Junction Boxes							
22	U-GASP-JBOX	U-GASPJB-	Junction boxes and manholes	0	0.25	R/1	R/3
Pits							
26	U-GASP-PTID	U-GASPPIM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
27	U-GASP-VENT	U-GASPVEM-	Vent pits	0	0.25	G/3	G/2
28	U-GASP-VLVE	U-GASPVLM-	Valve pits	0	0.25	G/3	G/2
Piping							
32	U-GASP-ABND	U-GASPABM-	Abandoned piping	2	0.35	M/6	M/5
33	U-GASP-FLOW	U-GASPFLM-	Flow direction arrows	0	0.25	M/6	M/5
37	U-GASP-FTTG	U-GASPTFM-	Caps, crosses, and tees	0	0.35	M/6	M/5
40	U-GASP-IDEN	U-GASPIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
43	U-GASP-MAIN	U-GASPMAM-	Main gas piping	0	0.35	M/6	M/5
46	U-GASP-SERV	U-GASSEM-	Service piping	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: Poles Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Poles							
11	U-POLE-DBLE	U-POLEDBM-	Double poles	0	0.25	G/3	G/2
12	U-POLE-IDEN	U-POLEIDM-	Identifier tags, symbol modifier, and text	0	0.25	G/3	G/2
13	U-POLE-RISR	U-POLERIM-	Pole risers	0	0.25	G/3	G/2
14	U-POLE-SNGL	U-POLESNM-	Single pole	0	0.25	G/3	G/2
15	U-POLE-TOWR	U-POLETOM-	Towers	0	0.25	G/3	G/2
Guy Wires							
20	U-GUYW-DOWN	U-GUYWDOM-	Down guy wires	0	0.25	G/3	G/2
21	U-GUYW-IDEN	U-GUYWIDM-	Identifier tags, symbol modifier, and text	0	0.25	G/3	G/2
22	U-GUYW-SPAN	U-GUYWSPM-	Span guy wires	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXIST	U-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: HTCW Utilities Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	U-HTCW-DEVC	U-SITEDEM-	Rigid anchors, anchor guides, reducers, markers, meters, pumps, regulators, and valves	0	0.35	M/6	M/5
Stations							
14	U-HTCW-ANOD	U-HTCWNAM-	Anode test stations	0	0.35	M/6	M/5
18	U-HTCW-STID	U-HTCWSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Plants							
19	U-HTCW-CHLP	U-HTCWCPCM-	Chilled water plant	0	0.35	M/6	M/5
20	U-HTCW-HTPP	U-HTCWHPM-	High temperature water plant	0	0.35	M/6	M/5
21	U-HTCW-PLID	U-HTCWPIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Junction Boxes							
22	U-HTCW-JBOX	U-HTCWJBM-	Junction boxes, manholes, handholes, test boxes	0	0.25	R/1	R/3
Pits							
25	U-HTCW-PITS	U-HTCWPTM-	Valve pits	0	0.25	G/3	G/2
Piping							
32	U-HTCW-ABND	U-HTCWABM-	Abandoned piping	2	0.35	M/6	M/5
33	U-HTCW-FLOW	U-HTCWFLM-	Flow direction arrows	0	0.25	G/3	G/2
34	U-HTCW-CHLL	U-HTCWCHM-	Main chilled water piping	0	0.35	M/6	M/5
35	U-HTCW-CHLS	U-HTCWCSM-	Chilled water service piping	0	0.25	G/3	G/2
37	U-HTCW-FTTG	U-HTCWFTM-	Caps and flanges	0	0.35	M/6	M/5
38	U-HTCW-HTPL	U-HTCWHTM-	Main high temperature piping	0	0.25	R/1	R/3
39	U-HTCW-HTPS	U-HTCWHSM-	High temperature service piping	0	0.25	G/3	G/2
40	U-HTCW-IDEN	U-HTCWIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
41	U-HTCW-LTPL	U-HTCWLTM-	Main low temperature piping	0	0.35	Y/2	Y/4
42	U-HTCW-LTPS	U-HTCWLSM-	Low temperature service piping	0	0.25	G/3	G/2
45	U-HTCW-RTRN	U-HTCWRTM-	Return for all HTCW lines	0	0.18	B/5	B/1
48	U-HTCW-STML	U-HTCWSTM-	Main steam piping	0	0.25	R/1	R/3
49	U-HTCW-STMS	U-HTCWSSM-	Steam service piping	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: HTCW Utilities Plan

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)				
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2 0.35 M/6 M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0 0.35 Y/2 Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7 0.35 Y/2 Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5 0.35 M/6 M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0 0.50 C/4 C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3 0.18 Gr/8 Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0 0.35 Y/2 Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2 0.18 B/5 B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4 0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: Domestic Water Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Devices							
11	U-DOMW-DEVC	U-DOMWDEM-	Connectors, faucets, hydrants, rectifiers, reducers, regulators, sprinklers, markers, vents, intake points, tanks, taps, backflow preventers, valves, meters, and pumps	0	0.35	M/6	M/5
Stations							
14	U-DOMW-ANOD	U-DOMWANM-	Anode test stations	0	0.35	M/6	M/5
15	U-DOMW-BOOS	U-DOMWBOM-	Booster stations	0	0.35	M/6	M/5
16	U-DOMW-PUMP	U-DOMWPUM-	Pump stations	0	0.35	M/6	M/5
17	U-DOMW-REDC	U-DOMWREM-	Pressure reducing stations	0	0.35	M/6	M/5
18	U-DOMW-STID	U-DOMWSIM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
Reservoirs							
19	U-DOMW-RSID	U-DOMWRIM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
20	U-DOMW-RSVR	U-DOMWRSM-	Reservoirs	0	0.25	R/1	R/3
21	U-DOMW-SORC	U-DOMWSOM-	Domestic water source	0	0.25	R/1	R/3
Junction Boxes							
22	U-DOMW-JBOX	U-DOMWJBM-	Junction boxes and manholes	0	0.25	R/1	R/3
Pits							
26	U-DOMW-PTID	U-DOMWPIM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
27	U-DOMW-VENT	U-DOMVVEM-	Vent pits	0	0.25	G/3	G/2
28	U-DOMW-VLVE	U-DOMVVLIM-	Valve pits	0	0.25	G/3	G/2
Piping							
32	U-DOMW-ABND	U-DOMWABM-	Abandoned piping	2	0.35	M/6	M/5
33	U-DOMW-FLOW	U-DOMWFLM-	Flow direction arrows	0	0.35	M/6	M/5
37	U-DOMW-FITG	U-DOMWFITM-	Caps, crosses, and tees	0	0.35	M/6	M/5
40	U-DOMW-IDEN	U-DOMWIDM-	Identifier tags, symbol modifier, and text	0	0.35	Y/2	Y/4
43	U-DOMW-MAIN	U-DOMWMAM-	Main domestic water piping	0	0.35	M/6	M/5
44	U-DOMW-NPOT	U-DOMWNPM-	Non-potable water piping	0	0.35	M/6	M/5
46	U-DOMW-SERV	U-DOMWSEM-	Domestic water service piping	0	0.35	M/6	M/5
47	U-DOMW-SPRL	U-DOMWSPM-	Sprinkler piping	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXIST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: One-Line Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Control Circuit							
11	U-CNTL-ANTA	U-CNTLANTM-	Antenna	V	0.25	G/3	G/2
12	U-CNTL-AVLV	U-CNTLAVLM-	Arrestor Valves	V	0.25	G/3	G/2
13	U-CNTL-BATR	U-CNTLBAM-	Batteries	V	0.25	G/3	G/2
14	U-CNTL-CAPT	U-CNTLCAM-	Capacitors	V	0.25	G/3	G/2
15	U-CNTL-CKTB	U-CNTLCKM-	Circuit Boards	V	0.25	G/3	G/2
16	U-CNTL-CONT	U-CNTLCOM-	Contacts	V	0.25	G/3	G/2
17	U-CNTL-FUSE	U-CNTLFUM-	Fuses	V	0.25	G/3	G/2
18	U-CNTL-GENR	U-CNTLGEM-	Generators	V	0.25	G/3	G/2
19	U-CNTL-GRND	U-CNTLGRM-	Grounds	V	0.25	G/3	G/2
20	U-CNTL-METR	U-CNTLMEM-	Metering Devices	V	0.25	G/3	G/2
21	U-CNTL-MOTR	U-CNTLMOM-	Motors	V	0.25	G/3	G/2
22	U-CNTL-OVLD	U-CNTLOVM-	Overloads	V	0.25	G/3	G/2
23	U-CNTL-RACT	U-CNTLRAM-	Reactors	V	0.25	G/3	G/2
24	U-CNTL-RELA	U-CNTLREM-	Relays	V	0.25	G/3	G/2
25	U-CNTL-RSTR	U-CNTLRSM-	Resistors	V	0.25	G/3	G/2
26	U-CNTL-SWCH	U-CNTLSWM-	Switches	V	0.25	G/3	G/2
27	U-CNTL-XFMR	U-CNTLXFM-	Transformers	V	0.25	G/3	G/2
One-Line Diagram Linework							
41	U-1LIN-LW18	U-1LIN18M-	Fine one-line linework	V	0.18	B/5	B/1
42	U-1LIN-LW25	U-1LIN25M-	Thin one-line linework	V	0.25	R/1	R/3
43	U-1LIN-LW35	U-1LIN35M-	Medium one-line linework	V	0.35	Y/2	Y/4
44	U-1LIN-LW50	U-1LIN50M-	Wide one-line linework	V	0.50	C/4	C/7
45	U-1LIN-LW70	U-1LIN70M-	Extra wide one-line linework	V	0.70	W/7	W/0
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXIST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Landscape Architecture

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	L-DEMO-HAZW	L-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	L-STAT-MOVE	L-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Irrigation Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color#	MicroStation Line Col#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Irrigation System							
25	L-IRRG-COVR	L-IRRGCOM-	Irrigation coverage, spray distribution patterns	0	0.18	B/5	B/1
26	L-IRRG-EQPM	L-IRRGEQM-	Equipment (e.g., controllers, valves, RPBPs, etc.)	0	0.35	M/6	M/5
27	L-IRRG-IDEN	L-IRRGIDM-	Annotation	0	0.35	Y/2	Y/4
28	L-IRRG-PIPE	L-IRRGPIM-	Piping	0	0.35	M/6	M/5
29	L-IRRG-SHPT	L-IRRGSHM-	Shrub location for drip/sprinkler heads	3	0.35	M/6	M/5
31	L-IRRG-SPKL	L-IRRGSPM-	Sprinklers	0	0.35	M/6	M/5
33	L-IRRG-TRPT	L-IRRGTRM-	Tree location for drip/sprinkler heads	3	0.35	M/6	M/5
34	L-IRRG-TURF	L-IRRGTUM-	Irrigation head for turf	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWW	L-STATNEM-*	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Landscape Architecture

Model File Type: Landscape Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Col
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEV-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Site Improvements							
11	L-SITE-BRDG	L-SITEBRM-	Bridges	0	0.18	B/5	B/1
12	L-SITE-DECK	L-SITEDEM-	Decks	0	0.25	G/3	G/2
13	L-SITE-FENC	L-SITEFEM-	Fencing	0	0.35	Y/2	Y/4
14	L-SITE-FURN	L-SITEFUM-	Site furnishings	0	0.25	G/3	G/2
15	L-SITE-IDEN	L-SITEIDM-	Annotation	0	0.18	B/5	B/1
16	L-SITE-PLAY	L-SITEPLM-	Play structures	0	0.35	Y/2	Y/4
17	L-SITE-POOL	L-SITEPOM-	Pools	0	0.35	Y/2	Y/4
18	L-SITE-ROCK	L-SITEROM-	Boulders and cobble	0	0.35	Y/2	Y/4
19	L-SITE-SPRT	L-SITESPM-	Sports fields	0	0.35	Y/2	Y/4
20	L-SITE-STEP	L-SITESTM-	Steps	0	0.35	Y/2	Y/4
21	L-SITE-WALL	L-SITEWAM-	Walls	0	0.35	Y/2	Y/4
Landscape Plants							
25	L-PLNT-BEDS	L-PLNTBEM-	Rock, bark, and other landscaping beds	0	0.25	G/3	G/2
26	L-PLNT-GRND	L-PLNTGRM-	Groundcover and vines	0	0.18	B/5	B/1
27	L-PLNT-IDEN	L-PLNTIDM-	Annotation	0	0.18	B/5	B/1
28	L-PLNT-PLAN	L-PLNTPLM-	Planting plants	0	0.25	G/3	G/2
29	L-PLNT-SHLN	L-PLNTSHM-	Shrub Line	V	0.25	G/3	G/2
3	L-PLNT-SHRB	L-PLNTSRM-	Shrubs (e.g., evergreen, deciduous)	0	0.18	B/5	B/1
31	L-PLNT-TRLN	L-PLNTTLM-	Tree Line	V	0.25	G/3	G/2
32	L-PLNT-TREE	L-PLNTTRM-	Trees (e.g., evergreen, deciduous, etc.)	0	0.18	B/5	B/1
Walks							
35	L-WALK-OTLN	L-WALKOTM-	Walks and steps	0	0.25	R/1	R/3
36	L-WALK-PATT	L-WALKPAM-	Walks and steps - patterning/hatching	0	0.18	Gr/8	Gr/8
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXST	L-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWWW	L-STATNEM-*	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/8
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Landscape Architecture

Model File Type: Turfing Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Col
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Hydroseeding							
11	L-HYDR-GENL	L-HYDRGEM-	Hydroseeding	0	0.18	B/5	B/1
12	L-HYDR-SEED	L-HYDRSEM-	Hydroseeding, Seed	0	0.25	R/1	R/3
13	L-HYDR-SODS	L-HYDRSOM-	Hydroseeding, Sod	0	0.35	Y/2	Y/4
14	L-HYDR-SPRG	L-HYDRSPM-	Hydroseeding, Sprigs	0	0.35	M/6	M/5
15	L-HYDR-SDSD	L-HYDRSDM-	Hydroseeding, Seed, Sod	0	0.25	G/3	G/2
16	L-HYDR-SDSG	L-HYDRSGM-	Hydroseeding, Seed, Sprig	0	0.50	C/4	C/7
17	L-HYDR-SSSG	L-HYDRSSM-	Hydroseeding, Seed, Sod, Sprig	0	0.25	R/1	R/3
Turfing							
21	L-TURF-IDEN	L-TURFIDM-	Annotation	0	0.18	B/5	B/1
22	L-TURF-MLCH	L-TURFMLM-	Mulching outlines	0	0.18	B/5	B/1
Turf							
25	L-SEED-GENL	L-SEEDGEM-	Seed	0	0.18	B/5	B/1
26	L-SEED-SDSD	L-SEEDSDM-	Seed, sod	0	0.25	G/3	G/2
27	L-SEED-SDSG	L-SEEDSGM-	Seed, Sprig	0	0.35	Y/2	Y/4
28	L-SEED-SODS	L-SEEDSGM-	Sod	0	0.35	M/6	M/5
29	L-SEED-SSSG	L-SEEDSSM-	Seed, sod, sprig	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWW	L-STATNEM-	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	L-DETL-GENF	L-DETLGEM-	General features (miscellaneous items)	0	0.35	M/6	M/5
15	L-DETL-CABS	L-DETLCAM-	Cabinets, enclosures	0	0.35	Y/2	Y/4
19	L-DETL-CONC	L-DETLCOM-	Concrete	0	0.25	R/1	R/3
23	L-DETL-ERTH	L-DETLERM-	Earth	0	0.25	G/3	G/2
28	L-DETL-FENC	L-DETLFEM-	Fencing	0	0.35	M/6	M/5
29	L-DETL-FILL	L-DETLFIM-	Fill/cover material	0	0.18	B/5	B/1
32	L-DETL-FURN	L-DETLFUM-	Furniture, furnishings	0	0.35	Y/2	Y/4
34	L-DETL-GRAS	L-DETLGRM-	Grass, sod	0	0.25	Gr/3	Gr/2
44	L-DETL-PIPE	L-DETLPIM-	Piping, conduit, sprinklers	0	0.35	M/6	M/5
49	L-DETL-STRC	L-DETLSTM-	Structural metal, supports	0	0.35	M/6	M/5
54	L-DETL-VEGI	L-DETLVEM-	Trees, plants	0	0.25	Gr/3	Gr/2
56	L-DETL-VLVE	L-DETLVLM-	Valves, fittings	0	0.35	Y/2	Y/4
57	L-DETL-WIRE	L-DETLWIM-	Wiring	0	0.35	M/6	M/5

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	S-DEMO-HAZW	S-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXIST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	S-STAT-NICH	S-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS*	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Foundation Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIM-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines (use only if a Column Plan model file is not created)							
10	S-GRID-DIMS	S-GRIDDIM-	Column grid dimensions	0	0.25	R/1	R/3
11	S-GRID-HORZ	S-GRIDHOM-	Horizontal grid lines	7	0.18	B/5	B/1
12	S-GRID-IDEN	S-GRIDIDM-	Column tags	0	0.25	R/1	R/3
13	S-GRID-VERT	S-GRIDVEM-	Vertical grid lines	7	0.18	B/5	B/1
Foundation							
16	S-FNDN-FTNG	S-FNDNFTM-	Footings	2	0.35	Y/2	Y/4
17	S-FNDN-GRBM	S-FNDNGRM-	Grade beams	2	0.35	Y/2	Y/4
18	S-FNDN-IDEN	S-FNDNIDM-	Component identification numbers	0	0.35	Y/2	Y/4
19	S-FNDN-PILE	S-FNDNPIM-	Piles (steel sheet, concrete, wood), piers, caisson piers, drilled piers	2	0.35	Y/2	Y/4
20	S-FNDN-RBAR	S-FNDNRBM-	Foundation reinforcing	0	0.35	Y/2	Y/4
Grading							
23	S-GRAD-ELEV	S-GRADELM-	Elevated grading	3	0.18	Gr/8	Gr/9
24	S-GRAD-FLOR	S-GRADFLM-	Floor grading	3	0.18	Gr/8	Gr/9
Slabs							
26	S-SLAB-EDGE	S-SLABEDM-	Slab outline	0	0.35	Y/2	Y/4
27	S-SLAB-JOIN	S-SLABJOM-	Slab control joints	0	0.35	Y/2	Y/4
28	S-SLAB-RBAR	S-SLABRBM-	Slab reinforcing	0	0.35	Y/2	Y/4
Grating							
30	S-GRAT-ELEV	S-GRATELM-	Elevated grating (catwalks)	0	0.25	G/3	G/2
31	S-GRAT-FLOR	S-GRATFLM-	Floor grating	0	0.25	G/3	G/2
Joints							
33	S-JOIN-CNST	S-JOINCNM-	Construction joints	0	0.25	G/3	G/2
34	S-JOIN-CTRL	S-JOINCTM-	Control/expansion joints	3	0.18	B/5	B/1
Miscellaneous Supports							
35	S-SPPT-MISC	S-SPPTMM-	Miscellaneous fasteners, anchor bolts, supports	0	0.35	Y/2	Y/4
Stairs							
38	S-STRS-JOIN	S-STRSJOM-	Stair control joints	0	0.25	G/3	G/2
39	S-STRS-LADD	S-STRSLAM-	Ladders, ladder handrails, safety guard, grab bars	0	0.25	G/3	G/2
40	S-STRS-RBAR	S-STRSRBM-	Stair reinforcing	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Foundation Plan

Walls					0	0.35	Y/2	Y/4
43	S-WALL-CONC	S-WALLCOM-	Concrete walls		0	0.35	Y/2	Y/4
44	S-WALL-LOAD	S-WALLLOM-	Load bearing CMU walls		0	0.35	Y/2	Y/4
45	S-WALL-NONL	S-WALLNOM-	Non-load bearing CMU walls		0	0.35	Y/2	Y/4
46	S-WALL-PCST	S-WALLPCM-	Precast walls		0	0.35	Y/2	Y/4
47	S-WALL-STUD	S-WALLSTM-	Steel stud walls		0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	S-STAT-DEMO	S-STATDEM-	* Demolition		2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-	Existing to remain		0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-	Future work		7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-	* Items to be moved		5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-	* New work		0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-	* Not in contract		3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-	* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-	Relocated items		2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-	* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Structural Framing Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Beams							
11	S-BEAM-CNTR	S-BEAMCNM-	Beam centerlines	7	0.18	B/5	B/1
12	S-BEAM-PRIM	S-BEAMPRM-	Primary beams, girders	0	0.35	M/6	M/5
13	S-BEAM-SCND	S-BEAMSCM-	Secondary beams, girders	0	0.35	M/6	M/5
Bracing							
16	S-BRAC-LATL	S-BRACLAM-	Lateral bracing	0	0.35	Y/2	Y/4
17	S-BRAC-SHEA	S-BRACSHM-	Shear walls	0	0.35	Y/2	Y/4
18	S-BRAC-VERT	S-BRACVEM-	Vertical bracing	0	0.35	Y/2	Y/4
Deck							
20	S-DECK-FLOR	S-DECKFLM-	Floor deck	0	0.25	G/3	G/2
21	S-DECK-OPEN	S-DECKOPM-	Openings and penetrations	0	0.25	G/3	G/2
22	S-DECK-ROOF	S-DECKROM-	Roof deck	0	0.25	G/3	G/2
Elevators							
25	S-EVTR-FRAM	S-EVTRFRM-	Elevator framing	0	0.35	M/6	M/5
Miscellaneous Metal							
28	S-METL-MISC	S-METLMIM-	Miscellaneous metal	0	0.35	M/6	M/5
Miscellaneous Supports							
30	S-SPPT-MISC	S-SPPTMIM-	Miscellaneous fasteners, anchor bolts, supports	0	0.35	Y/2	Y/4
Open Web Joists							
36	S-JOIS-BRDG	S-JOISBRM-	Bridging	0	0.35	M/6	M/5
37	S-JOIS-PRIM	S-JOISPRM-	Primary joists	0	0.35	M/6	M/5
38	S-JOIS-SCND	S-JOISSCM-	Secondary joists	0	0.35	M/6	M/5
Trusses							
41	S-TRUS-UNIT	S-TRUSUNM-	Trusses	0	0.35	M/6	M/5
Welding							
48	S-WELD-SYMB	S-WELDSYM-	Welding symbols	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Column Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines							
10	S-GRID-DIMS	S-GRIDDIM-	Column grid dimensions	0	0.25	R/1	R/3
11	S-GRID-HORZ	S-GRIDHOM-	Horizontal grid lines	7	0.18	B/5	B/1
12	S-GRID-IDEN	S-GRIDIDM-	Column tags	0	0.25	R/1	R/3
13	S-GRID-VERT	S-GRIDVEM-	Vertical grid lines	7	0.18	B/5	B/1
Columns							
16	S-COLS-CNTR	S-COLSCNM-	Column centerlines	7	0.18	B/5	B/1
17	S-COLS-PRIM	S-COLSPRM-	Primary columns	0	0.35	M/6	M/5
18	S-COLS-SCND	S-COLSSCM-	Secondary columns	0	0.35	Y/2	Y/4
Welding							
48	S-WELD-SYMB	S-WELDSYM-	Welding symbols	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXIST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS*	S-STATPHM-*	Phase numbers (*=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	0.35	Y/2	Y/4
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	0.35	Y/2	Y/4
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
40	S-ELEV-IDEN	S-ELEVIDM-	Component identification numbers	0	0.35	Y/2	Y/4
41	S-ELEV-OTLN	S-ELEVOTM-	Building outlines	0	0.35	M/6	M/5
42	S-ELEV-PATT	S-ELEVPM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
44	S-ELEV-SIGN	S-ELEVSM-	Signage	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Building Sections

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Sections							
45	S-SECT-IDEN	S-SECTIDM-	Component identification numbers	0	0.35	Y/2	Y/4
46	S-SECT-MBND	S-SECTMBM-	Material beyond section cut	0	0.18	B/5	B/1
47	S-SECT-MCUT	S-SECTMCM-	Material cut by section	0	0.50	C/4	C/7
48	S-SECT-PATT	S-SECTPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	V	V	V	
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9	
6	S-ANNO-SYMB	S-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	V	V	V	
7	S-ANNO-TEXT	S-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	0	V	V	V	
Detail Information								
9	S-DETL-GENF	S-DETLGEM-	General features (miscellaneous items)	0	0.35	M/6	M/5	
10	S-DETL-CMUW	S-DETLCMM-	CMU outline (no patterning)	0	0.50	C/4	C/7	
15	S-DETL-CONC	S-DETLCOM-	Concrete outline (no patterning)	0	0.50	C/4	C/7	
20	S-DETL-FNGR	S-DETLFNM-	Finished grade	0	0.35	Y/2	Y/4	
25	S-DETL-MISC	S-DETLMIM-	Joint materials (e.g., felt), vapor barrier, other	V	0.25	R/1	R/3	
30	S-DETL-REIN	S-DETLREM-	Rebar, welded wire mesh	V	0.18	B/5	B/1	
35	S-DETL-STLS	S-DETLSTM-	Wide flange shapes, plates, open web joists, decking, bolts, nails	0	0.25	G/3	G/2	
40	S-DETL-WELD	S-DETLWEM-	Weld symbols	0	0.25	G/3	G/2	
45	S-DETL-WOOD	S-DETLWOM-	Wood outline (no patterning)	0	0.35	Y/2	Y/4	

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP.*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	A-DEMO-HAZW	A-DEMOHAM.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	A-STAT-MOVE	A-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	A-STAT-NICN	A-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Floor Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Floor Information							
11	A-FLOR-FIXT	A-FLORFIM-	Floor mounted/Free standing miscellaneous fixtures (not including toilet fixtures)	0	0.25	G/3	G/2
12	A-FLOR-IDEN	A-FLORIDM-	Room name, space identification text	0	0.50	C/4	C/7
13	A-FLOR-LEVL	A-FLORELM-	Level changes, shafts, ramps, pits, breaks in construction, and depressions	0	0.35	M/6	M/5
14	A-FLOR-NUMB	A-FLORNUM-	Room/space identification number and symbol	0	0.50	C/4	C/7
15	A-FLOR-OTLN	A-FLOROTM-	Floor outline/perimeter/building footprint	0	0.35	M/6	M/5
16	A-FLOR-PATT	A-FLORPAM-	Material patterns (e.g., paving, tile, carpet)	0	0.18	Gr/8	Gr/9
17	A-FLOR-RAIS	A-FLORRAM-	Access (raised) flooring	0	0.25	G/3	G/2
18	A-FLOR-RPRM	A-FLORRPM-	Room perimeter shape (Interior walls)	0	0.35	Y/2	Y/4
19	A-FLOR-SIGN	A-FLORSIM-	Signage	0	0.25	R/1	R/3
20	A-FLOR-SPCL	A-FLORSPM-	Architectural specialties, toilet room accessories (floor mounted only), display cases	0	0.25	G/3	G/2
Columns							
22	A-COLS-ENCL	A-COLSENFM-	Column enclosures/fire protection	0	0.50	C/4	C/7
Walls							
23	A-WALL-CAVI	A-WALLCAM-	Cavity wall lines	0	0.35	Y/2	Y/4
24	A-WALL-CNTR	A-WALLCNM-	Wall centerlines	7	0.18	B/5	B/1
25	A-WALL-CWMG	A-WALLCWM-	Curtain wall mullions and glass	0	0.25	R/1	R/3
26	A-WALL-EXTR	A-WALLEXM-	Exterior full height walls	0	0.35	Y/2	Y/4
27	A-WALL-FIRE	A-WALLFIM-	Fire wall designators (patterning)	0	0.35	Y/2	Y/4
28	A-WALL-IDEN	A-WALLIDM-	Wall identification/type text or tags	0	0.50	C/4	C/7
29	A-WALL-INTR	A-WALLINM-	Interior full height walls	0	0.35	M/6	M/5
30	A-WALL-MOVE	A-WALLMOM-	Moveable walls/partitions	0	0.18	B/5	B/1
31	A-WALL-PATT	A-WALLPAM-	Material pattern (e.g., insulation, hatching, and fill)	0	0.18	Gr/8	Gr/9
32	A-WALL-PRHT	A-WALLPRM-	Partial height walls (do not appear on Reflected Ceiling Plan)	0	0.25	R/1	R/3
33	A-WALL-SPCL	A-WALLSPM-	Wall-hung/attached specialties (e.g., fixtures, grab bars, telephone booths, toilet accessories, etc.) see A-FLOR-PFIX for toilet fixtures	0	0.25	R/1	R/3
Openings							
34	A-GLAZ-SILL	A-GLAZSIM-	Window sills	0	0.50	C/4	C/7
35	A-WALL-HEAD	A-WALLHEM-	Door and window headers (appear on Reflected Ceiling Plan)	0	0.50	C/4	C/7
36	A-WALL-JAMB	A-WALLJAM-	Door and window jambs (do not appear on Reflected Ceiling Plan)	0	0.50	C/4	C/7
Doors							
37	A-DOOR-FULL	A-DOORFUM-	Full height (to ceiling) door: swing and leaf	0	0.35	M/6	M/5
38	A-DOOR-IDEN	A-DOORIDM-	Door number and symbol, hardware group, etc.	0	0.35	M/6	M/5
39	A-DOOR-PRHT	A-DOORPRM-	Partial height door: swing and leaf	0	0.35	M/6	M/5
40	A-DOOR-SYMB	A-DOORSYM-	Miscellaneous door symbols (e.g., overhead, bifold, pocket, etc.)	0	0.25	R/1	R/3

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Floor Plan

Windows				0	0.25	R/1	R/3
41	A-GLAZ-FULL	A-GLAZFUM-	Full height glazed walls and partitions (see A-WALL-CWMG for curtain walls)	0	0.35	M/6	M/5
42	A-GLAZ-IDEN	A-GLAZIDM-	Window number and symbol	0	0.25	R/1	R/3
43	A-GLAZ-PRHT	A-GLAZPRM-	Windows and partial height glazed partitions	0	0.35	M/6	M/5
Plumbing Fixtures				0	0.25	R/1	R/3
44	A-FLOR-PFIX	A-FLORPFM-	Plumbing fixtures (use only when Plumbing Piping Plan: P-SANR-FIXT is not available)	0	0.35	M/6	M/5
45	A-FLOR-TPTN	A-FLORTPM-	Toilet partitions and handicap grab bars	0	0.35	M/6	M/5
46	A-FLOR-EVTR	A-FLOREVM-	Elevator cars and equipment	0	0.35	Y/2	Y/4
Stairs				0	0.25	Y/2	Y/4
47	A-FLOR-STRS	A-FLORSTM-	Stair risers/treads, escalators, ladders	0	0.35	Y/2	Y/4
Railings				0	0.25	R/1	R/3
48	A-FLOR-HRAL	A-FLORHRM-	Stair and balcony handrails, guard rails (except handicap grab bars)	0	0.35	Y/2	Y/4
Woodwork				0	0.25	G/3	G/2
59	A-FLOR-CASE	A-FLORCAM-	Casework (manufactured cabinets)	0	0.35	G/3	G/2
60	A-FLOR-WDWK	A-FLORWDM-	Architectural woodwork (field built cabinets and counters)	0	0.35	G/3	G/2
Ceiling Penetrations				2	0.18	Gr/8	Gr/9
61	A-FLOR-OVHD	A-FLOROVM-	Overhead items (skylights, overhangs etc.)	2	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	A-STAT-FUTR	A-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWWW	A-STATNEM-	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Reflected Ceiling Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ceiling Information							
11	A-CLNG-ACCS	A-CLNGACM-	Access panels, ceiling penetrations (see also A-FLOR-OVHD in Model File Type: Floor Plan)	0	0.35	M/6	M/5
12	A-CLNG-CONT	A-CLNGCOM-	Ceiling control joints	0	0.35	Y/2	Y/4
13	A-CLNG-GRID	A-CLNGGRM-	Ceiling grid	0	0.25	R/1	R/3
14	A-CLNG-OPEN	A-CLNGOPM-	Ceiling/roof penetrations	0	0.18	Gr/8	Gr/9
15	A-CLNG-PATT	A-CLNGPAM-	Ceiling patterns (e.g., gypsum, plaster, user defined)	0	0.18	Gr/8	Gr/9
16	A-CLNG-TEES	A-CLNGTEM-	Main tees	0	0.18	B/5	B/1
17	A-CLNG-SUSP	A-CLNGSUM-	Suspended elements, ceiling mounted specialties (e.g., clocks, fans, etc.)	0	0.18	B/5	B/1
Lights							
21	A-LITE-CLNG	A-LITECLM-	Ceiling recessed lights (use only when Electrical lighting symbols are unavailable)	0	0.50	C/4	C/7
22	A-LITE-EMER	A-LITEEMM-	Emergency lights (use only when Electrical lighting symbols are unavailable)	0	0.25	R/1	R/3
23	A-LITE-SURF	A-LITESUM-	Surface mounted lights (pendant, etc.)	0	0.50	C/4	C/7
24	A-LITE-WALL	A-LITEWAM-	Wall mounted lights (use only when Electrical lighting symbols are unavailable)	0	0.50	C/4	C/7
Diffusers							
26	A-HVAC-ODFF	A-HVACODM-	Other inlets and outlets (use only when Mechanical HVAC symbols are unavailable) see M-HVAC-ODFF	0	0.25	G/3	G/2
27	A-HVAC-RDFF	A-HVACRDM-	Ceiling return inlets (use only when Mechanical HVAC symbols are unavailable) see M-HVAC-RDFF	0	0.18	B/5	B/1
28	A-HVAC-SDFF	A-HVACSDM-	Ceiling supply diffusers (use only when Mechanical HVAC symbols are unavailable) see M-HVAC-SDFF	0	0.50	C/4	C/7
Status Layers							
50	A-STAT-DEMO		Demolition	2		M/6	M/5
	A-STAT-EXST	A-STATEXM-*		0	0.25		G/2
52		A-STATFUM-*	Future work		0.35	Y/2	
53	A-STAT-MOVE		Items to be moved	5		M/6	M/5
	A-STAT-NEWWW	A-STATNEM-*		0	0.50		C/7
55		A-STATNIM-*	Not in contract		0.18	Gr/8	
56	A-STAT-PHS#		Phase numbers (#=1-9)	0		Y/2	Y/4
	A-STAT-RELO	A-STATREM-*		2	0.18		B/1
58		A-STATTEM-*	Temporary work		0.50	C/4	

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Roof Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0		Y/2	Y/4
	A-ANNO-NPLT	A-ANNONPP-*		V	0.18	B/1	
4		A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche (see also A-ROOF-PATT)		0.18	Gr/8	
6	A-ANNO-SYMB			V	0.35		M/5
7		A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Roof Information							
11	A-ROOF-CRTS	A-ROOFCRM-	Crickets flow arrows flow info	0	0.35	Y/2	Y/4
12	A-ROOF-DRNS	A-ROOFDRM-	Roof drains	0	0.25	R/1	R/3
13	A-ROOF-EDGE	A-ROOFEDM-	Roof internal gutters	0	0.35	Y/2	Y/4
14	A-ROOF-EXPN	A-ROOFEXM-	Expansion joints	0	0.35	Y/2	Y/4
15	A-ROOF-HRAL	A-ROOFHRM-	Stair handrails, nosings, guard rails	0	0.25	R/1	R/3
16	A-ROOF-LEVL	A-ROFFLEM-	Level changes	0	0.18	B/5	B/1
17	A-ROOF-OTLN	A-ROFOFOTM-	Roof perimeter/edge, roof geometry	0	0.50	C/4	C/7
18	A-ROOF-PATT	A-ROOFPAM-	Roof surface patterns, hatching	0	0.18	Gr/8	Gr/9
19	A-ROOF-SPCL	A-ROOFSPM-	Roof specialties, accessories, access hatches	0	0.25	G/3	G/2
20	A-ROOF-STRS	A-ROOFSTM-	Stair risers/treads, ladders	0	0.35	Y/2	Y/4
21	A-ROOF-WALK	A-ROOFWAM-	Roof walkways	0	0.25	G/3	G/2
Status Layers							
50	A-STAT-DEMO		Demolition	2		M/6	M/5
	A-STAT-EXST	A-STATEXM-*		0	0.25		G/2
52		A-STATFUM-*	Future work		0.35	Y/2	
53	A-STAT-MOVE		Items to be moved	5		M/6	M/5
	A-STAT-NEWWW	A-STATNEM-*		0	0.50		C/7
55		A-STATNIM-*	Not in contract		0.18	Gr/8	
56	A-STAT-PHS#		Phase numbers (#=1-9)	0		Y/2	Y/4
	A-STAT-RELO	A-STATREM-*		2	0.18		B/1
58		A-STATTEM-*	Temporary work		0.50	C/4	

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Elevations (Exterior and Interior)

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
37	A-ELEV-CASE	A-ELEVCAM-	Wall-mounted casework	0	0.25	G/3	G/2
38	A-ELEV-FIXT	A-ELEVFIM-	Miscellaneous fixtures	0	0.35	Y/2	Y/4
39	A-ELEV-FNSH	A-ELEVFNH-	Finishes, woodwork, trim	0	0.25	G/3	G/2
40	A-ELEV-IDEN	A-ELEVIDM-	Component identification numbers	0	0.35	Y/2	Y/4
41	A-ELEV-OTLN	A-ELEVOTM-	Building outlines	0	0.35	M/6	M/5
42	A-ELEV-PATT	A-ELEVPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
43	A-ELEV-PFIX	A-ELEVPFM-	Plumbing fixtures	0	0.35	M/6	M/5
44	A-ELEV-SIGN	A-ELEVSIM-	Signage	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Finish Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Furniture							
11	A-FURN-PATT	A-FURNPAM-	Finish patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

Discipline: Architectural

Model File Type: Building Sections

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#	
General Information								
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	A-SECT-IDEN	A-SECTIDM-	Component identification numbers	0	0.35	Y/2	Y/4	
46	A-SECT-MBND	A-SECTMBM-	Material beyond section cut	0	0.18	B/5	B/1	
47	A-SECT-MCUT	A-SECTMCM-	Material cut by section	0	0.50	C/4	C/7	
48	A-SECT-PATT	A-SECTPAM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7	
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	A-DETL-GENF	A-DETLGEM-	General features (miscellaneous items)	0	V	V	V
12	A-DETL-BLCK	A-DETLBLM-	Blocking, furring and spacers	0	0.18	B/5	B/1
15	A-DETL-CABS	A-DETLCAM-	Cabinets	0	0.35	Y/2	Y/4
16	A-DETL-CALK	A-DETLCLM-	Caulking and sealant	0	0.18	Gr/8	Gr/9
17	A-DETL-CEIL	A-DETLCEM-	Ceiling materials	0	0.35	M/6	M/5
24	A-DETL-EXTR	A-DETLLEXM-	Extrusions and formed shapes	0	0.25	R/1	R/3
25	A-DETL-EXWL	A-DETLEWM-	Exterior wall materials	0	0.35	M/6	M/5
27	A-DETL-FAST	A-DETLFAM-	Fastener	0	0.18	B/5	B/1
30	A-DETL-FLOR	A-DETLFLM-	Floor materials	0	0.35	Y/2	Y/4
31	A-DETL-FLSH	A-DETLFSM-	Flashing	0	0.50	C/4	C/2
33	A-DETL-GLAZ	A-DETLGLM-	Glazing	0	0.18	B/5	B/1
35	A-DETL-GRLS	A-DETLGRM-	Grilles and louvers	0	0.25	G/3	G/2
36	A-DETL-HDWR	A-DETLHDM-	Hardware	0	0.35	M/6	M/5
37	A-DETL-INSL	A-DETLINM-	Insulation	0	0.18	Gr/8	Gr/9
38	A-DETL-ITWL	A-DETLITM-	Interior wall materials	0	0.18	B/5	B/1
40	A-DETL-MASY	A-DETLMAM-	Masonry	0	0.25	G/3	G/2
44	A-DETL-PIPE	A-DETLPIM-	Piping	0	0.35	M/6	M/5
46	A-DETL-ROOF	A-DETLROM-	Roof materials	0	0.25	G/3	G/2
49	A-DETL-STRC	A-DETLSTM-	Structural features	0	0.25	R/1	R/3
53	A-DETL-TRIM	A-DETLTRM-	Trim	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Equipment Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Area Information							
11	A-EQPM-ACCS	A-EQPMACM-	Equipment access	0	0.35	M/6	M/5
12	A-EQPM-CLNG	A-EQPMCLM-	Ceiling mounted or suspended equipment	0	0.35	M/6	M/5
13	A-EQPM-FIXD	A-EQPMFIM-	Fixed equipment	0	0.50	C/4	C/7
14	A-EQPM-IDEN	A-EQPMIDM-	Equipment identification numbers	0	0.35	M/6	M/5
15	A-EQPM-MOVE	A-EQPMOM-	Moveable equipment	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXIST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Life Safety Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Life Safety							
11	A-LSFT-EGRE	A-LSFTEGM-	Egress requirements designator	0	0.25	R/1	R/3
12	A-LSFT-EQPM	A-LSFTEQM-	Fire equipment (fire extinguishers)	0	0.18	B/5	B/1
13	A-LSFT-TRVL	A-LSFTTRM-	Travel distances	0	0.35	M/6	M/5
14	A-LSFT-WALL	A-LSFTWAM-	Wall fire ratings (see also A-WALL-FIRE on Model File Type: Floor Plan)	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Architectural

Model File Type: Area Calculations/Occupancy Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Area Information							
9	A-AREA-IDEN	A-AREAIMD-	Room numbers, tenant identifications, area calculations	0	0.50	C/4	C/7
10	A-AREA-LINE	A-AREALIM-	Architectural area calculation boundary lines	0	0.50	C/4	C/7
11	A-AREA-OCCP	A-AREAOCM-	Occupant or employee names	0	0.50	C/4	C/7
12	A-AREA-PATT	A-AREAPAM-	Area cross hatching	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Interior Design

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	I-DEMO-HAZW	I-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Furniture Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPOP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Equipment							
11	I-EQPM-ACCS	I-EQPMACM-	Equipment access	2	0.18	Gr/8	Gr/9
12	I-EQPM-CHLD	I-EQPMCHM-	Child development (play toys, teaching rugs, play forms)	0	0.35	Y/2	Y/4
13	I-EQPM-CLNG	I-EQPMCLM-	Ceiling mounted and suspended equipment	0	0.25	G/3	G/2
14	I-EQPM-COPY	I-EQPMCOM-	Copiers, fax machines, office equipment	0	0.35	Y/2	Y/4
15	I-EQPM-FIXD	I-EQPMFIM-	Fixed equipment	0	0.18	B/5	B/1
16	I-EQPM-IDEN	I-EQPMIDM-	Equipment identification numbers	0	0.25	R/1	R/3
17	I-EQPM-MOVE	I-EQPMOM-	Moveable equipment	2	0.18	B/5	B/1
18	I-EQPM-NICN	I-EQPMNIM-	Not in contract equipment	1	0.18	Gr/8	Gr/9
19	I-EQPM-STOR	I-EQPMSTM-	High density storage, specialty storage	0	0.35	Y/2	Y/4
Free Standing Furniture							
25	I-FURN-ACCS	I-FURNACM-	Accessories (vestibule matts, partitions, draperies, clocks, trash cans, lecturns, lamps, etc.)	0	0.25	R/1	R/3
26	I-FURN-ADPC	I-FURNADM-	Automated Data Processing Components	0	0.35	Y/2	Y/4
27	I-FURN-ARTW	I-FURNARM-	Artwork	0	0.35	Y/2	Y/4
28	I-FURN-CASE	I-FURNCAM-	Casegoods (desks, credenzas, beds, dressers, nightstands, wardrobes, etc.)	0	0.35	M/6	M/5
29	I-FURN-FLOR	I-FURNFLM-	Flooring (carpet, rugs, etc.)	0	0.35	Y/2	Y/4
30	I-FURN-FREE	I-FURNFRM-	Free-standing desks and tables (conference, classroom, coffee, end, etc.)	0	0.35	M/6	M/5
31	I-FURN-IDEN	I-FRNIDM-	Furniture code identification	0	0.25	G/3	G/2
32	I-FURN-MEDI	I-FURNMEM-	Medical (exam beds, dental chairs, etc.)	0	0.35	Y/2	Y/4
33	I-FURN-MISC	I-FURNMIM-	Miscellaneous furniture	0	0.35	Y/2	Y/4
34	I-FURN-PLNT	I-FURNPLM-	Plants	0	0.25	R/1	R/3
35	I-FURN-SEAT	I-FURNSEM-	Chairs, sofas, etc.	0	0.35	Y/2	Y/4
36	I-FURN-STOR	I-FURNSTM-	File cabinets, high density storage, shelving, storage cabinets	0	0.35	Y/2	Y/4
Modules							
40	I-FURN-GRID	I-FURNGRM-	Planning grid/modular outline	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWWW	I-STATNEM-	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Interior Design

Model File Type: System Furniture Plan/Workstation Typical

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPOP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Systems Furniture							
11	I-SYST-FURN	I-SYSTFUM-	Furniture	0	0.18	Y/2	Y/4
12	I-SYST-IDEN	I-SYSTIDM-	Code identification	0	0.25	R/1	R/3
13	I-SYST-LITE	I-SYSTLIM-	Lighting components	0	0.50	C/4	C/7
14	I-SYST-PATT	I-SYSTPAM-	Patterns	0	0.18	Gr/8	Gr/9
15	I-SYST-PNLS	I-SYSPNLM-	Panels	0	0.35	Y/2	Y/4
16	I-SYST-POWR	I-SYSPOM-	Power, communication components	0	0.50	C/4	C/7
17	I-SYST-STOR	I-SYSTSTM-	Storage components	0	0.35	Y/2	Y/4
18	I-SYST-WALL	I-SYSTWAM-	Systems furniture partition walls	0	0.35	Y/2	Y/4
19	I-SYST-WKSF	I-SYSTWKW-	Work surface components	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Interior Design

Model File Type: Signage Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPOP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Signage							
46	I-FLOR-SIGN	I-FLORSIM-	Directory signage	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Interior Design

Model File Type: Interior Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPOP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
37	I-ELEV-CASE	I-ELEVCAM-	Wall mounted casework	0	0.35	Y/2	Y/4
38	I-ELEV-FIXT	I-ELEVFIM-	Miscellaneous fixtures	0	0.25	G/3	G/2
39	I-ELEV-FNSH	I-ELEVFNIM-	Finishes, woodwork and trim	0	0.35	Y/2	Y/4
40	I-ELEV-IDEN	I-ELEVIDM-	Component identification numbers	0	0.18	B/5	B/1
42	I-ELEV-PATT	I-ELEVPM-	Textures and hatch patterns	0	0.25	R/1	R/3
43	I-ELEV-PFIX	I-ELEVPFM-	Plumbing fixtures in elevation	0	0.25	R/1	R/3
44	I-ELEV-SIGN	I-ELEVSM-	Signage	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Interior Design

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	V	V	V
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	0	V	V	V
Detail Information							
9	I-DETL-GENF	I-DETLGEM-	General features	0	0.35	Y/2	Y/4
12	I-DETL-SYST	I-DETLSYM-	Systems furniture/pre-wired workstations	0	0.35	Y/2	Y/4
13	I-DETL-MISC	I-DETLMM-	Miscellaneous (e.g., window treatments, accessories, etc.)	0	0.25	G/3	G/2
22	I-DETL-EQPM	I-DETLEQM-	Equipment	0	0.35	M/6	M/5
32	I-DETL-FURN	I-DETLFUM-	Freestanding furniture	0	0.35	Y/2	Y/4
53	I-DETL-ADAG	I-DETLADM-	ADA standards and guidelines	0	0.35	Y/2	Y/4
59	I-DETL-CASE	I-DETLCAM-	Millwork/casework/trim	0	0.35	Y/2	Y/4
60	I-DETL-SIGN	I-DETLSIM-	Interior and exterior signage	0	0.25	R/1	R/3

V=Varies, NA=Not Applicable

Discipline: Equipment - Security Systems

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONPP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	QSDEMO-HAZW	QSDEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Security Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Access Control							
11	QSACCC-EXTR	QSACCCEXM-	Exterior mounted access control devices	0	0.25	G/3	G/2
12	QSACCC-PANL	QSACCCPAM-	Access control unit/panel	0	0.25	G/3	G/2
13	QSACCC-WALL	QSACCCWAM-	Wall mounted (interior) access control devices	0	0.25	G/3	G/2
Annunciation							
14	QSANCN-PANL	QSANCNPAM-	Annunciation equipment control unit/panel	0	0.25	G/3	G/2
15	QSANCN-RESN	QSANCNREM-	Remote station	0	0.25	G/3	G/2
Barriers							
17	QSBARR-FENC	QSBARRFEM-	Fences/gates	0	0.35	M/6	M/5
18	QSBARR-SENS	QSBARRSEM-	Sensors	0	0.25	G/3	G/2
19	QSBARR-WALL	QSBARRWAM-	Walls	0	0.35	M/6	M/5
Communications							
21	QSCOMM-CLNG	QSCOMMCLM-	Ceiling mounted communication equipment	0	0.25	G/3	G/2
22	QSCOMM-INTC	QSCOMMINM-	Intercoms/speakers	0	0.25	G/3	G/2
23	QSCOMM-PANL	QSCOMMPAM-	Communication panel	0	0.25	G/3	G/2
24	QSCOMM-WALL	QSCOMMWAM-	Wall mounted communication equipment	0	0.25	G/3	G/2
Switches/Contacts							
26	QSSWCH-FLSH	QSSWCHFLM-	Flush mounted switches/contacts	0	0.25	G/3	G/2
27	QSSWCH-SURF	QSSWCHSUM-	Surface mounted switches/contacts	0	0.25	G/3	G/2
Sensors							
30	QSSENS-BURD	QSSENSBUM-	Buried sensor	2	0.25	G/3	G/2
31	QSSENS-CLNG	QSSENSCLM-	Ceiling mounted sensor	0	0.25	G/3	G/2
32	QSSENS-FLOR	QSSENSFLM-	Floor mounted sensor	0	0.25	G/3	G/2
33	QSSENS-GLAS	QSSENSGLM-	Glass/foil mounted sensor	0	0.25	G/3	G/2
34	QSSENS-PANL	QSSENSPAM-	Sensor control unit	0	0.25	G/3	G/2
35	QSSENS-WALL	QSSENSWAM-	Wall mounted sensor	0	0.25	G/3	G/2
Assessment/Closed Circuit Television							
37	QSCCTV-CLNG	QSCCTVCLM-	Ceiling mounted CCTV	0	0.25	G/3	G/2
38	QSCCTV-WALL	QSCCTVWAM-	Wall mounted CCTV	0	0.25	G/3	G/2
Security Dedicated Lighting							
40	QSLITE-CLNG	QSLITECLM-	Ceiling mounted security lighting	0	0.25	G/3	G/2
41	QSLITE-POLE	QSLITEPOM-	Pole mounted security lighting	0	0.25	G/3	G/2
42	QSLITE-WALL	QSLITEWAM-	Wall mounted security lighting	0	0.25	G/3	G/2
Locking Devices							
44	QSLOCK-ELEC	QSLOCKELM-	Electric device	0	0.25	G/3	G/2
45	QSLOCK-MANL	QSLOCKMAM-	Manual device	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Security Plan

Security Wiring/Circuits				0	0.18	B/5	B/1
47	QSWIRE-SYST	QSWIRESYM-	Security wiring/circuits				
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	QSSTAT-EXIST	QSSTATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEW/W	QSSTATNEM-*	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Equipment - Security Systems

Model File Type: Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONPP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	QSELEV-FIXT	QSELEVFIM-	Miscellaneous fixtures	0	0.35	Y/2	Y/4
40	QSELEV-IDEN	QSELEVIDM-	Component identification numbers	0	0.35	Y/2	Y/4
41	QSELEV-OTLN	QSELEVOTM-	Building outlines	0	0.35	M/6	M/5
42	QSELEV-PATT	QSELEVPM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
44	QSELEV-SIGN	QSELEVSM-	Signage	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition	2	0.35	M/6	M/5
51	QSSTAT-EXIST	QSSTATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEWWW	QSSTATNEM-	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Access Control							
11	QSACCC-EXTR	QSACCCEXM-	Exterior mounted access control devices	0	0.25	G/3	G/2
12	QSACCC-PANL	QSACCCPAM-	Access control unit/panel	0	0.25	G/3	G/2
Annunciation							
14	QSANCN-PANL	QSANCNPAM-	Annunciation equipment control unit/panel	0	0.25	G/3	G/2
15	QSANCN-RESN	QSANCNREM-	Remote station	0	0.25	G/3	G/2
Barriers							
18	QSBARR-SENS	QSBARRSEM-	Sensors	0	0.25	G/3	G/2
Communications							
22	QSCOMM-INTC	QSCOMMINM-	Intercoms/speakers	0	0.25	G/3	G/2
23	QSCOMM-PANL	QSCOMMPAM-	Communication panel	0	0.25	G/3	G/2
Sensors							
34	QSSENS-PANL	QSSENSPAM-	Sensor control unit	0	0.25	G/3	G/2
Security Dedicated Lighting							
40	QLITE-CLNG	QLITECLM-	Ceiling mounted security lighting	0	0.25	G/3	G/2
41	QLITE-POLE	QLITEPOM-	Pole mounted security lighting	0	0.25	G/3	G/2
42	QLITE-WALL	QLITEWAM-	Wall mounted security lighting	0	0.25	G/3	G/2
Locking Devices							
44	QSLOCK-ELEC	QSLOCKELM-	Electric device	0	0.25	G/3	G/2
Security Wiring/Circuits							
47	QSWIRE-SYST	QSWIRESYM-	Security wiring/circuits	0	0.18	B/5	B/1
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEWVV	QSSTATNEM-*	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Fire Protection/Suppression

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	F-ANNO-SYMB	F-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
na	F-ANNO-XREF	F-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	F-DEMO-HAZW	F-DEMOHAM-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-* Demolition		2	0.35	M/6	M/5
51	F-STAT-EXIST	F-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	F-STAT-MOVE	F-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	F-STAT-NICN	F-STATNIIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	F-STAT-PHS#	F-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-* Relocated items		2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Fire Protection/Suppression

Model File Type: Sprinkler Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	F-ANNO-SYMB	F-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	F-ANNO-XREF	F-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
CO2 Sprinkler System							
11	F-CO2S-EQPM	F-CO2SEQM-	Equipment	0	0.35	M/6	M/5
12	F-CO2S-PIPE	F-CO2SPIM-	CO2 piping or CO2 discharge nozzle piping	0	0.35	Y/2	Y/4
Aqueous Film Forming Foam System							
14	F-AFFF-EQPM	F-AFFFEQM-	Equipment	0	0.35	M/6	M/5
15	F-AFFF-PIPE	F-AFFFPIM-	Piping	0	0.35	Y/2	Y/4
Halon System							
17	F-HALN-EQPM	F-HALNEQM-	Halon equipment	0	0.25	R/1	R/3
18	F-HALN-PIPE	F-HALNPIM-	Halon piping	0	0.25	R/1	R/3
Inert Gas							
20	F-IGAS-EQPM	F-IGASEQM-	Inert gas equipment	0	0.25	G/3	G/2
21	F-IGAS-PIPE	F-IGASPIM-	Inert gas piping	0	0.25	G/3	G/2
Sprinkler System							
23	F-SPRN-COMB	F-SPRNCLM-	Combination system	0	0.25	R/1	R/3
24	F-SPRN-OTHR	F-SPRNNOTM-	Sprinkler - other	0	0.25	R/1	R/3
27	F-SPRN-PEND	F-SPRNPEM-	Sprinkler - pendant	0	0.25	G/3	G/2
25	F-SPRN-PIPE	F-SPRNPIM-	Sprinkler piping	0	0.35	Y/2	Y/4
28	F-SPRN-UPRT	F-SPRNUPM-	Sprinkler - upright	0	0.25	G/3	G/2
Fire Protection/Suppression System							
30	F-PROT-EXTN	F-PROTEXM-	Equipment (fire extinguisher)	0	0.35	Y/2	Y/4
31	F-PROT-HOSE	F-PROTHOM-	Equipment (fire hose cabinet)	0	0.35	Y/2	Y/4
Fire Alarm System							
33	F-ALRM-DTCT	F-ALRMDTM-	Smoke detectors, heat sensors	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	F-STAT-EXIST	F-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	F-STAT-FUTR	F-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	F-STAT-MOVE	F-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	F-STAT-NEWWW	F-STATNEM-*	New work	0	0.50	C/4	C/7
55	F-STAT-NICN	F-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	F-STAT-PHS#	F-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Fire Protection/Suppression

Model File Type: Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	V	0.18	Gr/8	Gr/8
6	F-ANNO-SYMB	F-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	F-ANNO-XREF	F-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
CO2 Sprinkler System							
11	F-CO2S-EQPM	F-CO2SEQM-	Equipment	0	0.35	M/6	M/5
12	F-CO2S-PIPE	F-CO2SPIM-	CO2 piping or CO2 discharge nozzle piping	0	0.35	Y/2	Y/4
Aqueous Film Forming Foam System							
14	F-AFFF-EQPM	F-AFFFEQM-	Equipment	0	0.35	M/6	M/5
15	F-AFFF-PIPE	F-AFFFPIM-	Piping	0	0.35	Y/2	Y/4
Halon System							
17	F-HALN-EQPM	F-HALNEQM-	Halon equipment	0	0.25	R/1	R/3
18	F-HALN-PIPE	F-HALNPIM-	Halon piping	0	0.25	R/1	R/3
Inert Gas							
20	F-IGAS-EQPM	F-IGASEQM-	Inert gas equipment	0	0.25	G/3	G/2
21	F-IGAS-PIPE	F-IGASPIM-	Inert gas piping	0	0.25	G/3	G/2
Sprinkler System							
23	F-SPRN-COMB	F-SPRNCLM-	Combination system	0	0.25	R/1	R/3
24	F-SPRN-OTHR	F-SPRNOTM-	Sprinkler - other	0	0.25	R/1	R/3
27	F-SPRN-PEND	F-SPRNPEM-	Sprinkler - pendant	0	0.25	G/3	G/2
25	F-SPRN-PIPE	F-SPRNPIM-	Sprinkler piping	0	0.35	Y/2	Y/4
28	F-SPRN-UPRT	F-SPRNUPM-	Sprinkler - upright	0	0.25	G/3	G/2
Fire Protection/Suppression System							
30	F-PROT-EXTN	F-PROTEXM-	Equipment (fire extinguishers)	0	0.35	Y/2	Y/4
31	F-PROT-HOSE	F-PROTHOM-	Equipment (fire hose cabinets)	0	0.35	Y/2	Y/4
Fire Alarm System							
33	F-ALRM-DTCT	F-ALRMDTM-	Smoke detectors, heat sensors	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	F-STAT-EXIST	F-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	F-STAT-FUTR	F-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	F-STAT-MOVE	F-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	F-STAT-NEWW	F-STATNEM-*	New work	0	0.50	C/4	C/7
55	F-STAT-NICN	F-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	F-STAT-PHS#	F-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Plumbing

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	P-ANNO-KEYN	P-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP.*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEPE.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	P-ANNO-XREF	P-ANNOXR.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	P-DEMO-HAZW	P-DEMOHAM.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	P-STAT-EXST	P-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	P-STAT-MOVE	P-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	P-STAT-NICN	P-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Plumbing

Model File Type: Piping Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	P-ANNO-KEYN	P-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	P-ANNO-XREF	P-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Domestic Water Piping System							
11	P-DOMW-CPIP	P-DOMWCPCM-	Domestic cold water piping (includes fittings, valves, risers, etc.)	0	0.25	G/3	G/2
12	P-DOMW-EQPM	P-DOMWEQM-	Hot and cold water equipment	0	0.50	C/4	C/7
13	P-DOMW-FPIP	P-DOMWFPM-	Domestic filtered water piping	0	0.25	G/3	G/2
14	P-DOMW-HPIP	P-DOMWHPM-	Domestic hot water piping (includes fittings, valves, risers, etc.)	0	0.25	R/1	R/3
15	P-DOMW-RISR	P-DOMWRIM-	Domestic hot and cold water risers	2	0.25	G/3	G/2
16	P-DOMW-RPIP	P-DOMWRPM-	Domestic hot water recirculation piping	8	0.25	R/1	R/3
Sanitary Drainage Piping							
21	P-SANR-FIXT	P-SANRFIM-	Plumbing fixtures	0	0.35	M/6	M/5
22	P-SANR-EQPM	P-SANREQM-	Equipment (sand/oil/water separators)	0	0.50	C/4	C/7
23	P-SANR-FLDR	P-SANRFLM-	Floor drains and cleanouts	0	0.35	M/6	M/5
24	P-SANR-PIPE	P-SANRPIM-	Piping	0	0.35	M/6	M/5
25	P-SANR-RISR	P-SANRRIM-	Sanitary risers	2	0.35	M/6	M/5
26	P-SANR-VENT	P-SANRVENTM-	Vent piping	2	0.35	M/6	M/5
Storm Drainage Piping							
31	P-STRM-PIPE	P-STRMPIM-	Storm drain piping	0	0.35	Y/2	Y/4
32	P-STRM-RFDR	P-STRMRFM-	Roof drains	0	0.35	Y/2	Y/4
33	P-STRM-RISR	P-STRMRIM-	Storm drain risers	2	0.35	Y/2	Y/4
34	P-STRM-RPIP	P-STRMRPM-	Roof drain piping	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	P-STAT-EXST	P-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	P-STAT-FUTR	P-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	P-STAT-MOVE	P-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	P-STAT-NEWW	P-STATNEM-*	New work	0	0.50	C/4	C/7
55	P-STAT-NICN	P-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Plumbing

Model File Type: Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	P-ANNO-KEYN	P-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	P-ANNO-XREF	P-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Domestic Water Piping System							
11	P-DOMW-CPIP	P-DOMWCPM-	Domestic cold water piping (includes fittings, valves, risers, etc.)	0	0.25	G/3	G/2
12	P-DOMW-EQPM	P-DOMWEQM-	Hot and cold water equipment	0	0.50	C/4	C/7
13	P-DOMW-FPIP	P-DOMWFPM-	Domestic filtered water piping	0	0.25	G/3	G/2
14	P-DOMW-HPIP	P-DOMWHPM-	Domestic hot water piping (includes fittings, valves, risers, etc.)	0	0.25	R/1	R/3
15	P-DOMW-RISR	P-DOMWRIM-	Domestic hot and cold water risers	0	0.25	G/3	G/2
16	P-DOMW-RPIP	P-DOMWRPM-	Domestic hot water recirculation piping	8	0.25	R/1	R/3
Sanitary Drainage Piping							
21	P-SANR-FIXT	P-SANRFIM-	Plumbing fixtures	0	0.35	M/6	M/5
22	P-SANR-EQPM	P-SANREQM-	Equipment (sand/oil/water separators)	0	0.50	C/4	C/7
23	P-SANR-FLDR	P-SANRFLM-	Floor drains and cleanouts	0	0.35	M/6	M/5
24	P-SANR-PIPE	P-SANRPIM-	Piping	0	0.35	M/6	M/5
25	P-SANR-RISR	P-SANRRIM-	Sanitary risers	0	0.35	M/6	M/5
26	P-SANR-VENT	P-SANRVENTM-	Vent piping	2	0.35	M/6	M/5
Storm Drainage Piping							
31	P-STRM-PIPE	P-STRMPIM-	Storm drain piping	0	0.35	Y/2	Y/4
32	P-STRM-RFDR	P-STRMRFM-	Roof drains	0	0.35	Y/2	Y/4
33	P-STRM-RISR	P-STRMRIM-	Storm drain risers	0	0.35	Y/2	Y/4
34	P-STRM-RPIP	P-STRMRPM-	Roof drain piping	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	P-STAT-EXST	P-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	P-STAT-FUTR	P-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	P-STAT-MOVE	P-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	P-STAT-NEWW	P-STATNEM-*	New work	0	0.50	C/4	C/7
55	P-STAT-NICN	P-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP.*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	M-DEMO-HAZW	M-DEMOHAM.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	M-STAT-MOVE	M-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	M-STAT-NICN	M-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: HVAC Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ductwork and Equipment							
11	M-HVAC-DOOR	M-HVACDOM-	Equipment access doors	0	0.25	G/3	G/2
12	M-HVAC-EQPM	M-HVACEQM-	Air system equipment	0	0.35	Y/2	Y/4
13	M-HVAC-OTHR	M-HVACOTM-	Other ductwork	0	0.35	M/6	M/5
14	M-HVAC-RETN	M-HVACREM-	Return ductwork	0	0.35	M/6	M/5
15	M-HVAC-SUPP	M-HVACSUM-	Supply ductwork	0	0.35	Y/2	Y/4
Diffusers							
17	M-HVAC-CDF	M-HVACCDM-	Ceiling diffusers	0	0.35	M/6	M/5
18	M-HVAC-IDEN	M-HVACIDM-	Diffuser tags	0	0.35	M/6	M/5
19	M-HVAC-ODFF	M-HVACODM-	Other diffusers	0	0.35	M/6	M/5
20	M-HVAC-RDFF	M-HVACRDM-	Return air diffusers	0	0.35	M/6	M/5
21	M-HVAC-SDFF	M-HVACSDM-	Supply diffusers	0	0.35	M/6	M/5
Exhaust							
23	M-EXHS-CDF	M-EXHSCDM-	Exhaust air ceiling diffusers	0	0.35	M/6	M/5
24	M-EXHS-DUCT	M-EXHSDDUM-	Ductwork	0	0.35	M/6	M/5
25	M-EXHS-EQPM	M-EXHSEQM-	Equipment	0	0.35	Y/2	Y/4
Exhaust Makeup							
28	M-MKUP-CDF	M-MKUPCDM-	Exhaust makeup air ceiling diffusers	0	0.35	M/6	M/5
29	M-MKUP-DUCT	M-MKUPDUM-	Ductwork	0	0.35	M/6	M/5
30	M-MKUP-EQPM	M-MKUPEQM-	Equipment	0	0.35	Y/2	Y/4
Industrial Exhaust							
33	M-INEX-CDF	M-INEXCDM-	Industrial exhaust air ceiling diffusers	0	0.35	M/6	M/5
34	M-INEX-DUCT	M-INEXDUM-	Ductwork	0	0.35	M/6	M/5
35	M-INEX-EQPM	M-INEXEQM-	Equipment	0	0.35	Y/2	Y/4
Controls							
38	M-CONT-INST	M-CONTINM-	Controls, instrumentation, sensors, and equipment	0	0.35	Y/2	Y/4
39	M-CONT-THER	M-CONTTHM-	Thermostats	0	0.35	Y/2	Y/4
40	M-CONT-WIRE	M-CONTWIM-	Low voltage wiring	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: HVAC Plan

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)				
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2 0.35 M/6 M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0 0.35 Y/2 Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7 0.35 Y/2 Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5 0.35 M/6 M/5
54	M-STAT-NEWW	M-STATNEM-*	New work	0 0.50 C/4 C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3 0.18 Gr/8 Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0 0.35 Y/2 Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2 0.18 B/5 B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4 0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical
Model File Type: Piping Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Chilled Water System							
11	M-CWTR-EQPM	M-CWTREQM-	Equipment	0	0.35	M/6	M/5
12	M-CWTR-PIPE	M-CWTRPIM-	Piping (includes fittings, valves, instrumentation)	0	0.25	G/3	G/2
Hot Water Heating System							
15	M-HWTR-EQPM	M-HWTREQM-	Equipment	0	0.35	Y/2	Y/4
16	M-HWTR-PIPE	M-HWTRPIM-	Piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
Dual Temperature System							
18	M-DUAL-EQPM	M-DUALEQM-	Equipment	0	0.35	Y/2	Y/4
19	M-DUAL-PIPE	M-DUALPIM-	Piping (includes fittings, valves, instrumentation)	0	0.25	R/1	R/3
Steam System							
21	M-STEM-CONP	M-STEMCOM-	Condensate piping (includes fittings, valves, instrumentation)	0	0.18	B/5	B/1
22	M-STEM-EQPM	M-STEMEQM-	Equipment	0	0.35	Y/2	Y/4
23	M-STEM-HPIP	M-STEMHPM-	High pressure piping (includes fittings, valves, instrumentation)	0	0.25	R/1	R/3
24	M-STEM-LPIP	M-STEMLPM-	Low pressure piping (includes fittings, valves, instrumentation)	0	0.25	G/3	G/2
25	M-STEM-MPIP	M-STEMMPM-	Medium pressure piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
Refrigeration System							
27	M-REFG-EQPM	M-REFGEQM-	Equipment	0	0.35	Y/2	Y/4
28	M-REFG-PIPE	M-REFGPIM-	Piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
Energy Recovery System							
30	M-RCOV-EQPM	M-RCOVEQM-	Equipment	0	0.35	Y/2	Y/4
31	M-RCOV-PIPE	M-RCOVPIM-	Piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
Fuel Systems							
33	M-FUEL-EQPM	M-FUELEQM-	Equipment	0	0.35	Y/2	Y/4
34	M-FUEL-GGEP	M-FUELGGM-	Fuel gas general piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
35	M-FUEL-GPRP	M-FUELGPM-	Fuel gas process piping (includes fittings, valves, instrumentation)	0	0.35	M/6	M/5
36	M-FUEL-OGEP	M-FUELOGM-	Fuel oil general piping (includes fittings, valves, instrumentation)	0	0.25	G/3	G/2
37	M-FUEL-OPRP	M-FUELOPM-	Fuel oil process piping (includes fittings, valves, instrumentation)	0	0.25	G/3	G/2
Controls							
38	M-CONT-INST	M-CONTINM-	Controls, instrumentation, sensors, and equipment	0	0.35	Y/2	Y/4
39	M-CONT-THER	M-CONTTHM-	Thermostats	0	0.35	Y/2	Y/4
40	M-CONT-WIRE	M-CONTWIM-	Low Voltage Wiring	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Piping Plan

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)				
50	M-STAT-DEMO	M-STATDEM-* Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35 M/6 M/5
51	M-STAT-EXST	M-STATEXM-* Existing to remain	0	0.35 Y/2 Y/4
52	M-STAT-FUTR	M-STATFUM-* Future work	7	0.35 Y/2 Y/4
53	M-STAT-MOVE	M-STATMOM-* Items to be moved	5	0.35 M/6 M/5
54	M-STAT-NEWW	M-STATNEM-* New work	0	0.50 C/4 C/7
55	M-STAT-NICN	M-STATNIM-* Not in contract	3	0.18 Gr/8 Gr/9
56	M-STAT-PHS#	M-STATPHM-* Phase numbers (#=1-9)	0	0.35 Y/2 Y/4
57	M-STAT-RELO	M-STATREM-* Relocated items	2	0.18 B/5 B/1
58	M-STAT-TEMP	M-STATTEM-* Temporary work	4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Specialty Piping and Equipment

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Brine Systems							
11	M-BRIN-EQPM	M-BRINEQM-	Brine system equipment	0	0.35	M/6	M/5
12	M-BRIN-PIPE	M-BRINPIM-	Brine system piping	0	0.35	Y/2	Y/4
Dental Piping							
13	M-DENT-EQPM	M-DENTEQM-	Equipment	0	0.35	M/6	M/5
14	M-DENT-PIPE	M-DENTPIM-	Piping	0	0.35	Y/2	Y/4
Fuel Distribution Piping							
15	M-FUEL-EQPM	M-FUELEQM-	Fuel distribution equipment	0	0.35	M/6	M/5
16	M-FUEL-RPIP	M-FUELRRPM-	Fuel distribution return piping	0	0.35	Y/2	Y/4
17	M-FUEL-SPIP	M-FUELSPM-	Fuel distribution supply piping	0	0.35	Y/2	Y/4
High Pressure Compressed Air							
18	M-CMPH-EQPM	M-CMPHEQM-	High pressure equipment	0	0.35	M/6	M/5
19	M-CMPH-PIPE	M-CMPHPIM-	Governor or high pressure brake lines	0	0.35	Y/2	Y/4
Low Pressure Compressed Air							
20	M-CMPL-EQPM	M-CMPLEQM-	Shop and control air equipment	0	0.35	M/6	M/5
21	M-CMPL-PIPE	M-CMPLPIM-	Shop and control air piping	0	0.35	Y/2	Y/4
Hydraulic Systems							
22	M-HYDR-EQPM	M-HYDREQM-	Hydraulic system equipment	0	0.35	M/6	M/5
23	M-HYDR-RPIP	M-HYDRRPM-	Hydraulic system return piping	0	0.35	Y/2	Y/4
24	M-HYDR-SPIP	M-HYDRSPM-	Hydraulic system supply piping	0	0.35	Y/2	Y/4
Industrial Waste Piping							
25	M-ACID-EQPM	M-ACIDEQM-	Acid, alkaline, and oil waste equipment	0	0.35	M/6	M/5
26	M-ACID-PIPE	M-ACIDPIM-	Acid, alkaline, and oil waste piping	0	0.35	Y/2	Y/4
27	M-ACID-VENT	M-ACIDVEM-	Acid, alkaline, and oil waste vent piping	2	0.35	Y/2	Y/4
Insulating (Transformer) Oil							
28	M-INSL-EQPM	M-INSLEQM-	Insulating oil equipment	0	0.35	M/6	M/5
29	M-INSL-RPIP	M-INSLRPM-	Insulating oil return piping	0	0.35	Y/2	Y/4
30	M-INSL-SPIP	M-INSLSPM-	Insulating oil supply piping	0	0.35	Y/2	Y/4
Laboratory Piping							
31	M-LGAS-EQPM	M-LGASEQM-	Equipment	0	0.35	M/6	M/5
32	M-LGAS-PIPE	M-LGASPIM-	Piping	0	0.35	Y/2	Y/4
Lubrication Oil							
33	M-LUBE-EQPM	M-LUBEEQM-	Lubrication oil equipment	0	0.35	M/6	M/5
34	M-LUBE-RPIP	M-LUBERPM-	Lubrication oil return piping	0	0.35	Y/2	Y/4
35	M-LUBE-SPIP	M-LUBESPIM-	Lubrication oil supply piping	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Specialty Piping and Equipment

Medical Gas Piping				0	0.35	M/6	M/5
36	M-MDGS-EQPM	M-MDGSEQM-	Equipment			0	0.35
37	M-MDGS-PIPE	M-MDGSPIM-	Piping			0	0.35
Natural Gas (or Liquid Petroleum) Piping							
38	M-NGAS-EQPM	M-NGASEQM-	Equipment			0	0.35
39	M-NGAS-PIPE	M-NGASPIM-	Piping			0	0.35
Process Piping							
40	M-PROC-EQPM	M-PROCEQM-	Equipment			0	0.35
41	M-PROC-PIPE	M-PROCPIM-	Process piping			0	0.35
42	M-PROC-RPIP	M-PROCRPM-	Return piping			0	0.35
43	M-PROC-SPIP	M-PROCSPM-	Supply piping			0	0.35
Raw Water Piping							
44	M-RWTR-EQPM	M-RWTREQM-	Raw water equipment			0	0.35
45	M-RWTR-PIPE	M-RWTRPIM-	Raw water piping			0	0.35
Station Drainage							
46	M-STDN-EQPM	M-STDNEQM-	Station drainage equipment			0	0.35
47	M-STDN-PIPE	M-STDNPIM-	Station drainage piping			0	0.35
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition			2	0.35
51	M-STAT-EXST	M-STATEXM-*	Existing to remain			0	0.25
52	M-STAT-FUTR	M-STATFUM-*	Future work			7	0.35
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved			5	0.35
54	M-STAT-NEWW	M-STATNEM-*	New work			0	0.50
55	M-STAT-NICN	M-STATNIM-*	Not in contract			3	0.18
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)			0	0.35
57	M-STAT-RELO	M-STATREM-*	Relocated items			2	0.18
58	M-STAT-TEMP	M-STATTEM-*	Temporary work			4	0.50

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Machine Design

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Machine Design							
11	M-MACH-BASE	M-MACHBAM-	Machinery bases	0	0.35	Y/2	Y/4
12	M-MACH-COMP	M-MACHCOM-	Miscellaneous machinery parts and components	0	0.35	Y/2	Y/4
13	M-MACH-EXST	M-MACHEXM-	Existing machinery	0	0.35	M/6	M/5
14	M-MACH-FAST	M-MACHFAM-	Fasteners, nuts, and bolts	0	0.35	Y/2	Y/4
15	M-MACH-LROT	M-MACHLRM-	Large rotating machinery (turbine and pump outlines)	0	0.35	M/6	M/5
16	M-MACH-MOTR	M-MACHMOM-	Machinery motors	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Material Handling

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Material Handling							
43	M-MATL-CRAN	M-MATLCRM-	Bridge cranes, jib cranes, and monorails	0	0.35	Y/2	Y/4
44	M-MATL-HOIS	M-MATLHOM-	Hoists and hooks	0	0.35	Y/2	Y/4
45	M-MATL-LIEQ	M-MATLLIM-	Miscellaneous lifting equipment	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Controls Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIM-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Energy Management							
11	M-ENER-EQPM	M-ENEREQM-	Energy management equipment	0	0.35	M/6	M/5
12	M-ENER-WIRE	M-ENERWIM-	Energy management wiring	0	0.35	M/6	M/5
Controls							
38	M-CONT-INST	M-CONTINM-	Controls, instrumentation, diagrams, schematics, and equipment	0	0.35	Y/2	Y/4
39	M-CONT-THER	M-CONTTHM-	Thermostats	0	0.35	Y/2	Y/4
40	M-CONT-WIRE	M-CONTWIM-	Control wiring and tubing (including pneumatic)	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXIST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Elevations

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	M-ELEV-FIXT	M-ELEVFIM-	Miscellaneous fixtures	0	0.35	M/6	M/5
40	M-ELEV-IDEN	M-ELEVIDM-	Component identification numbers	0	0.35	Y/2	Y/4
41	M-ELEV-OTLN	M-ELEVOTM-	Building outlines	0	0.35	M/6	M/5
42	M-ELEV-PATT	M-ELEVPM-	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
43	M-ELEV-PFIX	M-ELEVPFM-	Plumbing fixtures	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXIST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Building Sections

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Sections							
45	M-SECT-IDEN	M-SECTIDM*	Component identification numbers	0	0.35	Y/2	Y/4
46	M-SECT-MBND	M-SECTMBM*	Material beyond section cut	0	0.18	B/5	B/1
47	M-SECT-MCUT	M-SECTMCM*	Material cut by section	0	0.50	C/4	C/7
48	M-SECT-PATT	M-SECTPAM*	Textures and hatch patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM*	Existing to remain	0	0.25	G/3	G/2
52	M-STAT-FUTR	M-STATFUM*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWW	M-STATNEM*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphic0			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9
7	M-ANNO-TEXT	M-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	M-DETL-GENF	M-DETLGEM-	General features (miscellaneous items)	0	V	V	V
10	M-DETL-ACCS	M-DETLACM-	Accessories	0	0.35	M/6	M/5
13	M-DETL-BOIL	M-DETLBOM-	Boilers	0	0.50	C/4	C/7
15	M-DETL-CABS	M-DETLCAM-	Cabinets	0	0.35	M/6	M/5
18	M-DETL-COIL	M-DETLCOM-	Coils and fin tubes	0	0.25	R/1	R/3
21	M-DETL-DUCT	M-DETLDUM-	Ducts	0	0.18	B/5	B/1
22	M-DETL-EQPT	M-DETEQM-	Equipment and fixtures	0	0.35	Y/2	Y/4
26	M-DETL-FANS	M-DETLFAM-	Fans	0	0.25	G/3	G/2
35	M-DETL-GRLS	M-DETLGRM-	Grilles and louvers	0	0.25	G/3	G/2
37	M-DETL-INSL	M-DETLINM-	Insulation and coverings	0	0.25	R/1	R/3
42	M-DETL-MOTR	M-DETLMOM-	Motors	0	0.25	G/3	G/2
44	M-DETL-PIPE	M-DETLPIM-	Piping	0	0.35	Y/2	Y/4
45	M-DETL-PUMP	M-DETLPUM-	Pumps and compressors	0	0.25	G/3	G/2
49	M-DETL-STRC	M-DETLSTM-	Structural support features	0	0.35	M/6	M/5
50	M-DETL-TANK	M-DETLTAM-	Tanks	0	0.35	Y/2	Y/4
51	M-DETL-TRAP	M-DETLTRM-	Traps and drains	0	0.25	G/3	G/2
55	M-DETL-VENT	M-DETLVEM-	Vents	0	0.25	G/3	G/2
56	M-DETL-VLVE	M-DETLVLM-	Valves and fittings	0	0.35	Y/2	Y/4
57	M-DETL-WIRE	M-DETLWIM-	Electrical wiring	0	0.25	R/1	R/3

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP.*	Discipline: Electrical	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXR.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	E-DEMO-HAZW	E-DEMOHAM.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	E-STAT-EXST	E-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	E-STAT-MOVE	E-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	E-STAT-NICN	E-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Lighting Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Discipline: Electrical	0	0.18	Gr/8	Gr/8
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Electrical Equipment							
12	E-LITE-EQPM	E-LITEEQM-	Physical outline of electrical equipment (e.g., panels, etc.)	0	0.50	C/4	C/7
Junction Boxes							
14	E-LITE-JBOX	E-LITEJBM-	Junction boxes	0	0.25	G/3	G/2
Switches							
16	E-LITE-SWCH	E-LITESWM-	Switches, contactors, disconnect switches, etc.	0	0.35	M/6	M/5
Lighting							
18	E-LITE-CLNG	E-LITECLM-	Ceiling mounted fixtures	0	0.35	M/6	M/5
19	E-LITE-EMER	E-LITEEMM-	Emergency fixtures	0	0.25	R/1	R/3
20	E-LITE-EXIT	E-LITEEXM-	Exit fixtures	0	0.35	M/6	M/5
21	E-LITE-FLOR	E-LITEFLM-	Floor mounted fixtures (e.g., stage, etc.)	0	0.35	M/6	M/5
22	E-LITE-IDEN	E-LITEIDM-	Light fixture identifier tags	0	0.25	R/1	R/3
23	E-LITE-OTLN	E-LITEOTM-	Lighting outline for background (optional)	0	0.35	M/6	M/5
24	E-LITE-ROOF	E-LITEROM-	Roof lighting	0	0.35	Y/2	Y/4
25	E-LITE-SITE	E-LITESIM-	Site lighting (see also Utilities discipline)	0	0.35	Y/2	Y/4
26	E-LITE-SPCL	E-LITESPM-	Special fixtures	0	0.35	M/6	M/5
27	E-LITE-WALL	E-LITEWAM-	Wall mounted fixtures	0	0.35	M/6	M/5
Circuit Lines							
41	E-LITE-CIRC	E-LITECIM-	Lighting circuits	0	0.35	M/6	M/5
42	E-LITE-CTCF	E-LITECTM-	Lighting circuits concealed in floor and conduit	3	0.35	M/6	M/5
43	E-LITE-CTCW	E-LITECCM-	Concealed wiring and conduit	4	0.25	G/3	G/2
44	E-LITE-CTID	E-LITECDM-	Circuit identifiers (e.g., panel circuits, wire/conduit size, tags, etc.)	0	0.25	R/1	R/3
45	E-LITE-CTXW	E-LITECXM-	Exposed wiring and conduit	0	0.35	M/6	M/5
46	E-LITE-HASH	E-LITEHAM-	Lighting circuit hash marks	0	0.35	M/6	M/5
47	E-LITE-HOME	E-LITEHOM-	Lighting circuit home run arrow	0	0.35	M/6	M/5
48	E-LITE-NUMB	E-LITENUM-	Lighting circuit numbers	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Power Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIMP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Electrical Equipment							
10	E-POWR-EQPM	E-POWR_EQQM-	Physical outline of electrical equipment (e.g., MCC switchboards, panelboards, etc.)	0	0.50	C/4	C/7
11	E-POWR-OTLN	E-POWR_OLTM-	Power outline for backgrounds	0	0.35	M/6	M/5
12	E-POWR-PANL	E-POWR_PAPM-	Power panels/distribution equipment	0	0.35	M/6	M/5
Junction Boxes							
14	E-POWR-JBOX	E-POWR_JBMM-	Junction boxes	0	0.25	G/3	G/2
Switches							
15	E-POWR-SWBD	E-POWR_SWM-	Power switchboards	0	0.35	M/6	M/5
16	E-POWR-SWCH	E-POWR_SCM-	Switches, motor starters, contactors, disconnect switches, etc. - symbols	0	0.25	R/1	R/3
Power							
18	E-POWR-BUSW	E-POWR_BUM-	Busways	0	0.35	M/6	M/5
19	E-POWR-CABL	E-POWR_CAML-	Cable trays	0	0.35	M/6	M/5
20	E-POWR-CLNG	E-POWR_CLNM-	Ceiling receptacles and devices	0	0.25	G/3	G/2
21	E-POWR-FEED	E-POWR_FEM-	Feeders	0	0.25	G/3	G/2
22	E-POWR-ROOF	E-POWR_ROM-	Roof power	0	0.25	G/3	G/2
23	E-POWR-SITE	E-POWR_SIM-	Site power (see also utilities disciplines)	0	0.25	G/3	G/2
24	E-POWR-URAC	E-POWR_URM-	Underfloor raceways	3	0.35	M/6	M/5
25	E-POWR-WALL	E-POWR_WAM-	Wall outlets and receptacles	0	0.25	G/3	G/2
Motors/Generators							
27	E-POWR-MOTR	E-POWR_MOM-	Motors and utilization equipment symbols	0	0.50	C/4	C/7
28	E-POWR-GENR	E-POWR_GEM-	Generators and utilization equipment symbols	0	0.35	Y/2	Y/4
Circuit Lines							
41	E-POWR-CIRC	E-POWR_CIM-	Power circuits	0	0.35	M/6	M/5
42	E-POWR-CTCF	E-POWR_CTM-	Power circuits concealed in floor and conduit	3	0.35	G/3	G/2
43	E-POWR-CTCW	E-POWR_CWM-	Concealed wiring and conduit	4	0.25	G/3	G/2
44	E-POWR-CTID	E-POWR_CDM-	Circuit identifiers (e.g., panel circuits, wire/conduit size, tags, etc.)	0	0.25	R/1	R/3
45	E-POWR-CTXW	E-POWR_CXM-	Exposed wiring and conduit	2	0.35	M/6	M/5
46	E-POWR-HASH	E-POWR_HAM-	Power circuits - hash marks	0	0.25	R/1	R/3
47	E-POWR-HOME	E-POWR_HOM-	Power circuit home run arrows	0	0.25	R/1	R/3
48	E-POWR-NUMB	E-POWR_NUM-	Power circuit numbers	0	0.35	M/6	M/5
49	E-POWR-UCPT	E-POWR_UCM-	Under carpet wiring	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

Discipline: Electrical**Model File Type: Power Plan**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)						
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)		2	0.35 M/6 M/5
51	E-STAT-EXST	E-STATEXM-*	Existing to remain		0	0.35 Y/2 Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work		7	0.35 Y/2 Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved		5	0.35 M/6 M/5
54	E-STAT-NEWW	E-STATNEM-*	New work		0	0.50 C/4 C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract		3	0.18 Gr/8 Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)		0	0.35 Y/2 Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items		2	0.18 B/5 B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work		4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Auxiliary Power Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIMP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Electrical Equipment							
10	E-AUXL-EQPM	E-AUXLEQM-	Physical outline of electrical equipment (e.g., MCC switchboards, panelboards, etc.)	0	0.50	C/4	C/7
11	E-AUXL-OTLN	E-AUXLOTM-	Power outline for backgrounds	0	0.35	M/6	M/5
12	E-AUXL-PANL	E-AUXLPAM-	Power panels/distribution equipment	0	0.35	M/6	M/5
Junction Boxes							
14	E-AUXL-JBOX	E-AUXLJBM-	Junction boxes	0	0.25	G/3	G/2
Switches							
15	E-AUXL-SWBD	E-AUXLSWM-	Power switchboards	0	0.35	M/6	M/5
16	E-AUXL-SWCH	E-AUXLSCM-	Switches, motor starters, contactors, disconnect switches, etc. - symbols	0	0.25	R/1	R/3
Power							
18	E-AUXL-BUSW	E-AUXLBUM-	Busways	0	0.35	M/6	M/5
19	E-AUXL-CABL	E-AUXLCAM-	Cable trays	0	0.35	M/6	M/5
20	E-AUXL-CLNG	E-AUXLCLM-	Ceiling receptacles and devices	0	0.25	G/3	G/2
21	E-AUXL-FEED	E-AUXLFEM-	Feeders	0	0.25	G/3	G/2
22	E-AUXL-ROOF	E-AUXLROM-	Roof power	0	0.25	G/3	G/2
23	E-AUXL-SITE	E-AUXLSIM-	Site power (see also Utilities disciplines)	0	0.25	G/3	G/2
24	E-AUXL-URAC	E-AUXL-URM-	Underfloor raceways	3	0.35	M/6	M/5
25	E-AUXL-WALL	E-AUXLWAM-	Wall outlets and receptacles	0	0.25	G/3	G/2
Motors/Generators							
27	E-AUXL-MOTR	E-AUXLMOM-	Motors and utilization equipment symbols	0	0.50	C/4	C/7
28	E-AUXL-GENR	E-AUXLGEM-	Generators and utilization equipment symbols	0	0.35	Y/2	Y/4
Circuit Lines							
41	E-AUXL-CIRC	E-AUXLCIM-	Lighting circuits	0	0.35	M/6	M/5
42	E-AUXL-CTCF	E-AUXLCTM-	Power circuits concealed in floor and conduit	3	0.35	G/3	G/2
43	E-AUXL-CTCW	E-AUXLCWM-	Concealed wiring and conduit	4	0.25	G/3	G/2
44	E-AUXL-CTID	E-AUXLCDM-	Circuit identifiers (e.g., panel circuits, wire/conduit size, tags, etc.)	0	0.25	R/1	R/3
45	E-AUXL-CTXW	E-AUXLCXM-	Exposed wiring and conduit	2	0.35	M/6	M/5
46	E-AUXL-HASH	E-AUXLHAM-	Power circuits - hash marks	0	0.25	R/1	R/3
47	E-AUXL-HOME	E-AUXLHOM-	Power circuit home run arrows	0	0.25	R/1	R/3
48	E-AUXL-NUMB	E-AUXLNUM-	Power circuit numbers	0	0.35	M/6	M/5
49	E-AUXL-UCPT	E-AUXLUCM-	Under carpet wiring	0	0.25	G/3	G/2

V=Varies, NA=Not Applicable

Discipline: Electrical**Model File Type: Auxiliary Power Plan**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)						
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)		2	0.35 M/6 M/5
51	E-STAT-EXST	E-STATEXM-*	Existing to remain		0	0.35 Y/2 Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work		7	0.35 Y/2 Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved		5	0.35 M/6 M/5
54	E-STAT-NEWW	E-STATNEM-*	New work		0	0.50 C/4 C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract		3	0.18 Gr/8 Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)		0	0.35 Y/2 Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items		2	0.18 B/5 B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work		4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Grounding System

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ground System							
33	E-GRND-CIRC	E-GRNDCIM-	Circuits	0	0.50	C/4	C/7
34	E-GRND-DIAG	E-GRNDDIM-	Ground system diagram	0	0.35	Y/2	Y/4
35	E-GRND-EQUI	E-GRNDEQM-	Equipotential ground system	0	0.25	G/3	G/2
36	E-GRND-REFR	E-GRNDREM-	Reference ground system	0	0.25	R/1	R/3
37	E-GRND-GBUS	E-GRNDGBM-	Grounding systems - lightning protection	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: One-Line Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#	
General Information								
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	E-ANNO-TEXT	E-ANNOtep-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Control Circuit								
11	E-CNTL-ANTA	E-CNTLANTM-	Antenna	V	0.25	G/3	G/2	
12	E-CNTL-AVLV	E-CNTLAVLM-	Arrestor Valves	V	0.25	G/3	G/2	
13	E-CNTL-BATR	E-CNTLBAM-	Batteries	V	0.25	G/3	G/2	
14	E-CNTL-CAPT	E-CNTLCAM-	Capacitor	V	0.25	G/3	G/2	
15	E-CNTL-CKTB	E-CNTLCKM-	Circuit Boards	V	0.25	G/3	G/2	
16	E-CNTL-CONT	E-CNTLCOM-	Contacts	V	0.25	G/3	G/2	
17	E-CNTL-FUSE	E-CNTLFUM-	Fuses	V	0.25	G/3	G/2	
18	E-CNTL-GENR	E-CNTLGEM-	Generators	V	0.25	G/3	G/2	
19	E-CNTL-GRND	E-CNTLGRM-	Grounds	V	0.25	G/3	G/2	
20	E-CNTL-METR	E-CNTLMEM-	Metering Devices	V	0.25	G/3	G/2	
21	E-CNTL-MOTR	E-CNTLMOM-	Motors	V	0.25	G/3	G/2	
22	E-CNTL-OVLD	E-CNTLOVM-	Overloads	V	0.25	G/3	G/2	
23	E-CNTL-RACT	E-CNTLRAM-	Reactors	V	0.25	G/3	G/2	
24	E-CNTL-RELA	E-CNTLREM-	Relays	V	0.25	G/3	G/2	
25	E-CNTL-RSTR	E-CNTLRSM-	Resistors	V	0.25	G/3	G/2	
26	E-CNTL-SWCH	E-CNTLSWM-	Switches	V	0.25	G/3	G/2	
27	E-CNTL-XFMR	E-CNTLXFM-	Transformers	V	0.25	G/3	G/2	
One-Line Diagram Linework								
41	E-1LIN-LW18	E-1LIN18M-	Fine one-line linework	V	0.18	B/5	B/1	
42	E-1LIN-LW25	E-1LIN25M-	Thin one-line linework	V	0.25	R/1	R/3	
43	E-1LIN-LW35	E-1LIN35M-	Medium one-line linework	V	0.35	Y/2	Y/4	
44	E-1LIN-LW50	E-1LIN50M-	Wide one-line linework	V	0.50	C/4	C/7	
45	E-1LIN-LW70	E-1LIN70M-	Extra wide one-line linework	V	0.70	W/7	W/0	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5	
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4	
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	E-STAT-NEWWW	E-STATNEM-*	New work	0	0.50	C/4	C/7	
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Electrical - Power

Model File Type: Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#	
General Information								
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Riser Diagram Linework								
41	E-RISR-LW18	E-RISR18M-	Fine linework	V	0.18	B/5	B/1	
42	E-RISR-LW25	E-RISR25M-	Thin linework	V	0.25	R/1	R/3	
43	E-RISR-LW35	E-RISR35M-	Medium linework	V	0.35	Y/2	Y/4	
44	E-RISR-LW50	E-RISR50M-	Wide linework	V	0.50	C/4	C/7	
45	E-RISR-LW70	E-RISR70M-	Extra wide linework	V	0.70	W/7	W/0	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5	
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4	
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7	
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Details

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1	
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9	
6	E-ANNO-SYMB	E-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9	
7	E-ANNO-TEXT	E-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V	
Detail Information								
9	E-DETL-GENF	E-DETLGEM-	General features (miscellaneous items)	0	V	V	V	
11	E-DETL-ARCH	E-DETLARM-	Architectural features	0	0.35	Y/2	Y/4	
14	E-DETL-BUSS	E-DETLBUM-	Bus bars and rods	0	0.25	G/3	G/2	
15	E-DETL-CABS	E-DETLCAM-	Cabinets and enclosures	0	0.35	M/6	M/5	
37	E-DETL-INSL	E-DETLINM-	Insulation and coverings	0	0.25	G/3	G/2	
39	E-DETL-LTDX	E-DETLLTM-	Light fixtures	0	0.35	Y/2	Y/4	
42	E-DETL-MOTR	E-DETLMOM-	Motors	0	0.25	R/1	R/3	
44	E-DETL-PIPE	E-DETLPIM-	Piping and conduit	0	0.35	Y/2	Y/4	
49	E-DETL-STRC	E-DETLSTM-	Structural support features	0	0.25	R/1	R/3	
52	E-DETL-TRAY	E-DETLTRM-	Cable trays	0	0.35	M/6	M/5	
57	E-DETL-WIRE	E-DETLWIM-	Wire and cables	0	0.35	Y/2	Y/4	
58	E-DETL-XFRM	E-DETLXFM-	Transformers	0	0.35	Y/2	Y/4	

V=Varies, NA=Not Applicable

Discipline: Telecommunications

Model File Type: Demolition Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	T-ANNO-KEYN	T-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	T-ANNO-NOTE	T-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	T-ANNO-NPLT	T-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	T-ANNO-PATT	T-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	T-ANNO-SYMB	T-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	T-ANNO-TEXT	T-ANNOtep-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	T-ANNO-XREF	T-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	T-DEMO-HAZW	T-DEMOHAM-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	T-STAT-DEMO	T-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	T-STAT-EXIST	T-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	T-STAT-MOVE	T-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	T-STAT-NICH	T-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	T-STAT-PHS#	T-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	T-STAT-RELO	T-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	T-STAT-TEMP	T-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications

Model File Type: Communication System Plan

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	T-ANNO-KEYN	T-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	T-ANNO-NOTE	T-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	T-ANNO-NPLT	T-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	T-ANNO-PATT	T-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	T-ANNO-SYMB	T-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	T-ANNO-TEXT	T-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	T-ANNO-XREF	T-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Electrical Equipment							
11	T-ELEC-IDEN	T-ELECIDM-	Identifiers and leaderlines	0	0.25	R/1	R/3
12	T-ELEC-EQPM	T-ELECEQM-	Physical outline of electrical equipment (e.g. cabinets, enclosures, etc.)	0	0.35	M/6	M/5
Junction Boxes							
14	T-COMM-JBOX	T-COMMJBMM-	Junction boxes	0	0.35	M/6	M/5
Bell System							
16	T-BELL-IDEN	T-BELLIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
17	T-BELL-SYST	T-BELLSYM-	Bell system symbols	0	0.35	M/6	M/5
Central Dictation System							
18	T-DICT-IDEN	T-DICTIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
19	T-DICT-SYST	T-DICTSYM-	Central dictation system symbols	0	0.35	M/6	M/5
Clock System							
20	T-CLOK-IDEN	T-CLOKIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
21	T-CLOK-SYST	T-CLOKSYM-	Clock system symbols	0	0.35	M/6	M/5
Miscellaneous Alarm System							
22	T-ALRM-IDEN	T-ALRIMDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
23	T-ALRM-SYST	T-ALRMSYM-	Miscellaneous alarm system symbols	0	0.35	M/6	M/5
Nurse Call Systems							
24	T-NURS-IDEN	T-NURSIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
25	T-NURS-SYST	T-NURSSYM-	Nurse call system symbols	0	0.35	M/6	M/5
Sound System							
26	T-SOUN-IDEN	T-SOUNIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
27	T-SOUN-SYST	T-SOUNSYM-	Sound system symbols	0	0.35	M/6	M/5
Telephone System							
28	T-PHON-IDEN	T-PHONIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
29	T-PHON-SYST	T-PHONSYM-	Telephone system symbols	0	0.25	G/3	G/2
Television System							
30	T-CCTV-IDEN	T-CCTVIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
31	T-CCTV-TELV	T-CCTVTEM-	Television system symbols	0	0.35	M/6	M/5
32	T-CCTV-TVAN	T-CCTVTVM-	Television antenna system symbols	0	0.35	Y/2	Y/4

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications

Model File Type: Communication System Plan

Data/LAN System				0	0.25	R/1	R/3
33	T-DATA-IDEN	T-DATAIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
34	T-DATA-SYST	T-DATASYM-	Data/LAN system symbols	0	0.35	M/6	M/5
Intercom/Public Address System							
35	T-INTC-IDEN	T-INTCIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
36	T-INTC-INPA	T-INTCINMM-	Intercom/PA system symbols	0	0.35	Y/2	Y/4
37	T-INTC-PGNG	T-INTCPGM-	Paging system symbols	0	0.35	M/6	M/5
Fire Alarm and Detection Systems							
38	T-FIRE-IDEN	T-FIREIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
39	T-FIRE-SYST	T-FIRESYM-	Fire alarm and detection system symbols	0	0.35	M/6	M/5
Energy Monitoring Control Systems							
40	T-EMCS-IDEN	T-EMCSIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
41	T-EMCS-SYST	T-EMCSSYM-	Energy monitoring control system symbols	0	0.35	M/6	M/5
Security Systems							
42	T-SERT-IDEN	T-SERTIDM-	Identifier tags, symbol modifier, and text	0	0.25	R/1	R/3
43	T-SERT-SYST	T-SERTSYM-	Security system symbols	0	0.25	G/3	G/2
Wiring System							
44	T-COMM-COAX	T-COMMCOM-	Coax cable	2	0.35	M/6	M/5
45	T-COMM-FIBR	T-COMMFIM-	Fiber optics cable	1	0.35	M/6	M/5
46	T-COMM-IDEN	T-COMMIDM-	Cable identifiers	0	0.35	Y/2	Y/4
47	T-COMM-MULT	T-COMMUMM-	Multi-conductor cable	V	0.35	M/6	M/5
48	T-COMM-TRAY	T-COMMTRM-	Cable tray and wireway symbols	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	T-STAT-DEMO	T-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	T-STAT-EXIST	T-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	T-STAT-FUTR	T-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	T-STAT-MOVE	T-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	T-STAT-NEWW	T-STATNEM-	New work	0	0.50	C/4	C/7
55	T-STAT-NICN	T-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	T-STAT-PHS#	T-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	T-STAT-RELO	T-STATREM-	Relocated items	2	0.18	B/5	B/1
58	T-STAT-TEMP	T-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Telecommunications

Model File Type: Block/Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	T-ANNO-KEYN	T-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	T-ANNO-NOTE	T-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	T-ANNO-NPLT	T-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	T-ANNO-PATT	T-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	T-ANNO-SYMB	T-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	T-ANNO-TEXT	T-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	T-ANNO-XREF	T-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Block/Riser Diagram Linework							
41	T-RISR-LW18	T-RISR18M-	Fine block/riser linework	V	0.18	B/5	B/1
42	T-RISR-LW25	T-RISR25M-	Thin block/riser linework	V	0.25	R/1	R/3
43	T-RISR-LW35	T-RISR35M-	Medium block/riser linework	V	0.35	Y/2	Y/4
44	T-RISR-LW50	T-RISR50M-	Wide block/riser linework	V	0.50	C/4	C/7
45	T-RISR-LW70	T-RISR70M-	Extra wide block/riser linework	V	0.70	W/7	W/0
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	T-STAT-DEMO	T-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	T-STAT-EXIST	T-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	T-STAT-FUTR	T-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	T-STAT-MOVE	T-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	T-STAT-NEWW	T-STATNEM-*	New work	0	0.50	C/4	C/7
55	T-STAT-NICN	T-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	T-STAT-PHS#	T-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	T-STAT-RELO	T-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	T-STAT-TEMP	T-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix B

Sheet File Level/Layer Assignment Tables

This appendix provides the sheet file level/layer assignment tables:

General	B3
Survey and Mapping	B4
HTRW/Environmental	B5
Civil/Site	B6
Civil Works	B7
Geotechnical	B8
Utilities	B9
Landscape Architecture	B10
Structural	B11
Architectural	B12
Interior Design	B13
Equipment-Security Systems	B14
Fire Protection/Suppression	B15
Plumbing	B16
Mechanical	B17
Electrical	B18
Telecommunications	B19

Discipline: General

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	G-ANNO-DIMS	G-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	G-ANNO-KEYN	G-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	G-ANNO-LEGN	G-ANNOLEP-*	Legends and schedules	0	V	V	V
5	G-ANNO-NOTE	G-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	G-ANNO-PATT	G-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	G-ANNO-SYMB	G-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	G-ANNO-TEXT	G-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	G-ANNO-REDL	G-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	G-ANNO-REVS	G-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	G-ANNO-XREF	G-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Survey and Mapping

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	V-ANNO-KEYN	V-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	V-ANNO-LEGN	V-ANNOLEP-*	Legends and schedules	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	V-ANNO-PATT	V-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	V-ANNO-REDL	V-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	V-ANNO-REVS	V-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	V-ANNO-XREF	V-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: HTRW/Environmental

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	H-ANNO-LEGN	H-ANNOLEP-*	Legends and schedules	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	H-ANNO-PATT	H-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	H-ANNO-REDL	H-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	H-ANNO-REVS	H-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	H-ANNO-XREF	H-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	C-ANNO-KEYN	C-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	C-ANNO-LEGN	C-ANNOLEP-*	Legends and schedules	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	C-ANNO-PATT	C-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	C-ANNO-REDL	C-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	C-ANNO-REVS	C-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	C-ANNO-XREF	C-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Civil Works

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	W-ANNO-DIMS	W-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V	
2	W-ANNO-KEYN	W-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
3	W-ANNO-LEGN	W-ANNOLEP-*	Legends and schedules	0	V	V	V	
5	W-ANNO-NOTE	W-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4	
4	W-ANNO-PATT	W-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9	
6	W-ANNO-SYMB	W-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5	
7	W-ANNO-TEXT	W-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V	
62	W-ANNO-REDL	W-ANNOREP-*	Redlines	0	0.25	R/1	R/3	
63	W-ANNO-REVS	W-ANNORVP-*	Revisions	0	0.50	C/4	C/7	
NA	W-ANNO-XREF	W-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	

V=Varies, NA=Not Applicable

Discipline: Geotechnical

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	B-ANNO-DIMS	B-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	B-ANNO-KEYN	B-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	B-ANNO-LEGN	B-ANNOLEP-*	Legends and schedules	0	V	V	V
5	B-ANNO-NOTE	B-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	B-ANNO-PATT	B-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	B-ANNO-SYMB	B-ANNOSYPP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	B-ANNO-TEXT	B-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	B-ANNO-REDL	B-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	B-ANNO-REVS	B-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	B-ANNO-XREF	B-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Utilities

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-* Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)		0	V	V	V
2	U-ANNO-KEYN	U-ANNOKEP-* Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
3	U-ANNO-LEGN	U-ANNOLEP-* Legends and schedules		0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-* Sheet-specific notes and general remarks		0	0.35	Y/2	Y/4
4	U-ANNO-PATT	U-ANNOPAP-* Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)		0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-* Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)		V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-* Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)		0	V	V	V
62	U-ANNO-REDL	U-ANNOREP-* Redlines		0	0.25	R/1	R/3
63	U-ANNO-REVS	U-ANNORVP-* Revisions		0	0.50	C/4	C/7
NA	U-ANNO-XREF	U-ANNOXRP-* Referenced model files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Landscape Architecture

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-* Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)		0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-* Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
3	L-ANNO-LEGN	L-ANNOLEP-* Legends and schedules		0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-* Sheet-specific notes and general remarks		0	0.35	Y/2	Y/4
4	L-ANNO-PATT	L-ANNOPAP-* Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)		0	0.18	Gr/8	Gr/8
6	L-ANNO-SYMB	L-ANNOSYP-* Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)		V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-* Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)		0	V	V	V
62	L-ANNO-REDL	L-ANNOREP-* Redlines		0	0.25	R/1	R/3
63	L-ANNO-REVS	L-ANNORVP-* Revisions		0	0.50	C/4	C/7
NA	L-ANNO-XREF	L-ANNOXRP-* Referenced model files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Structural

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-* Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)		0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-* Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
3	S-ANNO-LEGN	S-ANNOLEP-* Legends and schedules		0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-* Sheet-specific notes and general remarks		0	0.35	Y/2	Y/4
4	S-ANNO-PATT	S-ANNOPAP-* Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)		0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-* Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)		V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-* Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)		0	V	V	V
62	S-ANNO-REDL	S-ANNOREP-* Redlines		0	0.25	R/1	R/3
63	S-ANNO-REVS	S-ANNORVP-* Revisions		0	0.50	C/4	C/7
NA	S-ANNO-XREF	S-ANNOXRP-* Referenced model files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Architectural

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	A-ANNO-LEGN	A-ANNOLEP-*	Legends and schedules	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	A-ANNO-PATT	A-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	A-ANNO-REDL	A-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	A-ANNO-REVS	A-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	A-ANNO-XREF	A-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Interior Design

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	I-ANNO-LEGN	I-ANNOLEP-*	Legends and schedules	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	I-ANNO-PATT	I-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYR-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	I-ANNO-REDL	I-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	I-ANNO-REVS	I-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	I-ANNO-XREF	I-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Equipment - Security Systems

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	QSANNO-DIMS	QSANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V	
2	QSANNO-KEYN	QSANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
3	QSANNO-LEGN	QSANNOLEP-*	Legends and schedules	0	V	V	V	
5	QSANNO-NOTE	QSANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4	
4	QSANNO-PATT	QSANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9	
6	QSANNO-SYMB			V	0.35		M/5	
7		QSANNOTEPE-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V	
62	QSANNO-REDL	QSANNOREP-*	Redlines	0	0.25	R/1	R/3	
63	QSANNO-REVS	QSANNORVP-*	Revisions	0	0.50	C/4	C/7	
NA	QSANNO-XREF	QSANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	

V=Varies, NA=Not Applicable

Discipline: Fire Protection/Suppression

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	F-ANNO-LEGN	F-ANNOLEP-*	Legends and schedules	0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	F-ANNO-PATT	F-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	F-ANNO-SYMB	F-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	F-ANNO-REDL	F-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	F-ANNO-REVS	F-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	F-ANNO-XREF	F-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Plumbing

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	P-ANNO-KEYN	P-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	P-ANNO-LEGN	P-ANNOLEP-*	Legends and schedules	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	P-ANNO-PATT	P-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	P-ANNO-REDL	P-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	P-ANNO-REVS	P-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	P-ANNO-XREF	P-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Mechanical

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
3	M-ANNO-LEGN	M-ANNOLEP-*	Legends and schedules	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4
4	M-ANNO-PATT	M-ANNOPAP-*	Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Sheet-specific symbols (e.g., scales, north arrow, section cuts, detail bubbles, etc.)	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V
62	M-ANNO-REDL	M-ANNOREP-*	Redlines	0	0.25	R/1	R/3
63	M-ANNO-REVS	M-ANNORVP-*	Revisions	0	0.50	C/4	C/7
NA	M-ANNO-XREF	M-ANNOXRP-*	Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA

V=Varies, NA=Not Applicable

Discipline: Electrical

V=Varies, NA=Not Applicable

* Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-* Sheet-specific dimensions (includes witness/extension lines, dimension arrowheads/dots/slashes, dimension text)	0	V	V	V	
2	T-ANNO-KEYN	T-ANNOKEP-* Sheet-specific keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
3	T-ANNO-LEGN	T-ANNOLEP-* Legends and schedules	0	V	V	V	
5	T-ANNO-NOTE	T-ANNONOP-* Sheet-specific notes and general remarks	0	0.35	Y/2	Y/4	
4	T-ANNO-PATT	T-ANNOPAP-* Sheet-specific patterning, cross-hatching, poche (e.g., keyplan patterning)	0	0.18	Gr/8	Gr/9	
6	T-ANNO-SYMB	T-ANNOSYP-*	V	0.35		M/5	
7		T-ANNOTEP-* Sheet-specific text and callouts with associated leaderlines and arrowheads (e.g., title block text, legend and schedule text)	0	V	V	V	
62	T-ANNO-REDL	T-ANNOREP-* Redlines	0	0.25	R/1	R/3	
63	T-ANNO-REVS	T-ANNORVP-* Revisions	0	0.50	C/4	C/7	
NA	T-ANNO-XREF	T-ANNOXRP-* Referenced model files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	

V=Varies, NA=Not Applicable

Appendix C

Simplified Model File Level/Layer Assignment Tables

This appendix provides the simplified model file level/layer assignment tables:

General

Border Sheet	C3
Key Plan	C4

Survey and Mapping

Demolition Plan	C5
Survey and Mapping Plan	C6
Sections/Elevations	C7

HTRW/Environmental

Demolition Plan	C8
Industrial Water Plan	C9
Waste Water Plan	C10
Sections	C11
Details	C12

Civil/Site

Demolition Plan	C13
Site Plan	C14
Grading Plan	C15
Transportation Site Plan	C16
Transportation Pavement Plan	C17
Channel Plan	C18
Airfield Plan	C19
Airfield Pavement Plan	C20
Sections/Elevations	C21
Details	C22

Civil Works

Demolition Plan	C23
Civil Works Plan	C24
Elevations	C25
Sections	C26

Geotechnical

Demolition Plan	C27
Boring Log	C28
Sections	C29
Details	C30

Utilities

Demolition Plan	C31
Electrical Utilities Plan	C32
EMCS Plan	C33
Fuel Utilities Plan	C34
Gas Utilities Plan	C35
Poles Plan	C36
HTCW Utilities Plan	C37
Domestic Water Plan	C38
One-Line Diagrams	C39

Landscape Architecture

Demolition Plan	C40
Irrigation Plan	C41
Landscape Plan	C42
Turfing Plan	C43
Details	C44

Structural

Demolition Plan	C45
Foundation Plan	C46
Structural Framing Plan	C47
Column Plan	C48
Elevations	C49
Building Sections	C50
Details	C51

Architectural

Demolition Plan	C52
Floor Plan	C53
Reflected Ceiling Plan	C54
Roof Plan	C55
Elevations (Exterior and Interior)	C56
Finish Plan	C57
Building Sections	C58
Details	C59
Equipment Plan	C60
Life Safety Plan	C61
Area Calculations/Occupancy Plan	C62

Interior Design

Demolition Plan	C63
Furniture Plan	C64
System Furniture Plan/ Workstation Typical	C65
Signage Plan	C66
Interior Elevations	C67
Details	C68

Equipment - Security Systems

Demolition Plan	C69
Security Plan	C70
Elevations	C71
Riser Diagrams	C72

Fire Protection/Suppression

Demolition Plan	C73
Sprinkler Plan	C74
Riser Diagrams	C75

Plumbing

Demolition Plan	C76
Piping Plan	C77
Riser Diagrams	C78

Mechanical

Demolition Plan	C79
HVAC Plan	C80
Piping Plan	C81
Specialty Piping and Equipment	C82
Machine Design	C83
Material Handling Plan	C84
Controls Plan	C85
Elevations	C86
Building Sections	C87
Details	C88

Electrical

Demolition Plan	C89
Lighting Plan	C90
Power Plan	C91
Auxiliary Power Plan	C92
Grounding System	C93
One-Line Diagrams	C94
Riser Diagrams	C95
Details	C96

Telecommunications

Demolition Plan	C97
Communications System Plan	C98
Block/Riser Diagrams	C100

Discipline: General

Model File Type: Border Sheet - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
5	G-ANNO-NOTE	G-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
6	G-ANNO-SYMB	G-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	G-ANNO-TEXT	G-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	0.35	Y/2	Y/4
10	G-ANNO-TTLB	G-ANNOTTP-*	Border and title block linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: General

Model File Type: Keyplan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
3	G-ANNO-NPLT	G-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	G-ANNO-PATT	G-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	G-ANNO-SYMB	G-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	G-ANNO-TEXT	G-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	G-ANNO-XREF	G-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines							
11	S-GRID	S-GRID--M-	Column grid and tags (should be referenced from Structural Column Plan if possible)	V	V	V	V
Floor Information							
15	G-PLAN	G-PLAN--M-	Floor outline/perimeter/building footprint (should be referenced from Floor Plan if possible)	0	0.35	M/6	M/5
Site Information							
20	G-SITE	G-SITE--M-	Site plan - keyplan	0	0.35	M/6	M/5

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables *Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Survey and Mapping

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEPE-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	V-ANNO-XREF	V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	V-DEMO	V-DEMO--M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXIST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	V-STAT-NICH	V-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Survey and Mapping

Model File Type: Survey and Mapping Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONPP*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEP-*		0	V		V
NA		V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)		NA	NA	
Coordinate Grid							
8		V-GRID-M-	Coordinate grid tics	0	0.25	R/1	R/3
Survey Lines							
9	V-SURV	V-SURV-M-	Survey and control lines	V	V	V	V
Building and Primary Structures							
11	V-BLDG	V-BLDG--M-	Building and primary structures - outlines	V	V	V	V
Site							
14	V-SITE	V-SITE--M-	Fences, signs, walks and trails	V	V	V	V
Property							
23	V-PROP	V-PROP--M-	Bearings and distance labels, easements, property lines, right of ways	V	V	V	V
Embankments							
29	V-EMBK	V-EMBK--M-	Embankment edges and object lines, centerlines	V	V	V	V
Pavements/Transportation							
32	V-PAVE	V-PAVE--M-	Roads, parking lots, railroads, airfield pavements, joint patterns, pavement markings	0	V	V	V
Storm Drainage							
36	V-STRM	V-STRM--M-	Storm drainage, headwalls, inlets, manholes, culverts, drainage structures, ditches, ponds	0	V	V	V
Topography							
40	V-TOPO	V-TOPO--M-	Coordinates, major/minor contours, spot elevations	0	V	V	V
Utilities							
59	V-UTIL	V-UTIL--M-	Gas piping, features, valves, power lines, lights, telephone lines, poles, hydrants, tanks, water/other piping	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	V-STAT-FUTR	V-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	V-STAT-NEWW	V-STATNEM-*	New work	0	0.50	C/4	C/7
55	V-STAT-NICH	V-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Survey and Mapping

Model File Type: Sections/Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	V-ANNO-DIMS	V-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	V-ANNO-KEYN	V-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	V-ANNO-NOTE	V-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	V-ANNO-NPLT	V-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	V-ANNO-PATT	V-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	V-ANNO-SYMB	V-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	V-ANNO-TEXT	V-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	V-ANNO-XREF	V-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	V-BLDG	V-BLDG-M-	Building and primary structures - outlines	0	0.50	C/4	C/7
Site							
14	V-SITE	V-SITE-M-	Fences, site improvements, signs, walks and trails	V	V	V	V
Property							
23	V-PROP	V-PROPM--M-	Bearings and distance labels, construction limits, easements, right of ways	V	V	V	V
Topography							
39	V-TOPO	V-TOPOM--M-	Soil boring layout, major/minor contours, retaining walls, cut/fill slopes, spot elevations, profiles and x-sections, grid borders, grid lines, coordinate grid	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	V-STAT-DEMO	V-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	V-STAT-EXST	V-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	V-STAT-FUTR	V-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	V-STAT-MOVE	V-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	V-STAT-NEWW	V-STATNEM-*	New work	0	0.50	C/4	C/7
55	V-STAT-NICN	V-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	V-STAT-PHS#	V-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	V-STAT-RELO	V-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	V-STAT-TEMP	V-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: HTRW/Environmental

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP [*]	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP [*]	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP [*]	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP [*]	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP [*]	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP [*]	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTE [*]	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP [*]	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	H-DEMO	H-DEMO--M-* Hazardous waste		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM [*]	Demolition	2	0.35	M/6	M/5
51	H-STAT-EXIST	H-STATEXM [*]	Existing to remain	0	0.25	G/3	G/2
53	H-STAT-MOVE	H-STATMOM [*]	Items to be moved	5	0.35	M/6	M/5
55	H-STAT-NICN	H-STATNIIM [*]	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM [*]	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM [*]	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM [*]	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Industrial Water Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Industrial Water							
11	H-INDW	H-INDW-M-	Devices, piping, junction boxes, reservoirs, stations	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	H-STAT-FUTR	H-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	H-STAT-NEWW	H-STATNEM-*	New work	0	0.50	C/4	C/7
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Waste Water Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	H-ANNO-KEYN	H-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Waste Water							
11	H-WWTR	H-WWTR--M-	Devices, piping, junction boxes, areas, stations	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	H-STAT-DEMO	H-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	H-STAT-FUTR	H-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	H-STAT-NEWW	H-STATNEM-*	New work	0	0.50	C/4	C/7
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	H-ANNO-KEYN	H-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	H-ANNO-NOTE	H-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	H-ANNO-SYMB	H-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	H-ANNO-TEXT	H-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	H-ANNO-XREF	H-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	H-SECT	H-SECT-M-	Component identification numbers, material beyond section cut, material cut by section, textures and hatch patterns	V	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	H-STAT-DEMO	H-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	H-STAT-EXST	H-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	H-STAT-FUTR	H-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	H-STAT-MOVE	H-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	H-STAT-NEWW	H-STATNEM-*	New work	0	0.50	C/4	C/7	
55	H-STAT-NICN	H-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	H-STAT-PHS#	H-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	H-STAT-RELO	H-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	H-STAT-TEMP	H-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: HTRW/Environmental

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	H-ANNO-DIMS	H-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
3	H-ANNO-NPLT	H-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1	
4	H-ANNO-PATT	H-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9	
6	H-ANNO-SYMB	H-ANNOSYP-*		V	0.18		Gr/9	
7		H-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V	
Detail Information								
9	H-DETL	H-DETL--M-	Detail linework	0	V	V	V	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	C-DEMO	C-DEMO--M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	C-STAT-NICN	C-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Site Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	C-BLDG	C-BLDG-M-	Building and primary structures - outlines	0	0.50	C/4	C/7
Site							
14	C-SITE	C-SITE-M-	Fences, handrails, site improvements, ramps, signs, stairs, walks, trails	0	V	V	V
Property							
23	C-PROP	C-PROPM-M-	Bearings and distance labels, construction limits/controls, easements, property lines, right of ways	V	V	V	V
Embankments							
29	C-EMBK	C-EMBK-M-	Embankment edges and object lines, centerlines	V	V	V	V
Alignments							
33	C-ALGN	C-ALGN-M-	Alignments	4	0.35	Y/2	Y/4
Survey Lines							
36	C-SURV	C-SURV-M-	Survey and control lines	2	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Grading Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Storm Drainage System							
11	C-STRM	C-STRM-M-	Culverts, drainage inlets, storm drains, curbs, ditches, headwalls, manholes, ponds, underground pipes, erosion control	V	V	V	V
Borrow Areas							
21	C-BORW	C-BORW-M-	Borrow/spoil area	2	0.35	Y/2	Y/4
Topography							
38	C-TOPO	C-TOPO-M-	Breaklines, soil boring layouts, coordinates, major/minor contours, retaining walls, cut/fill slopes, spot elevations	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Civil/Site

Model File Type: Transportation Site Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Roads							
11	C-ROAD	C-ROAD--M-	Roads, curbs, guardrails, centerlines	V	V	V	V
Parking Lots and Minor Roads							
21	C-PKNG	C-PKNG--M-	Parking lots, minor roads, curbs, markings, striping, islands, drainage slope indications, cars, centerlines	V	V	V	V
Railroads							
33	C-RAIL	C-RAIL--M-	Railroad outlines, centerlines	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Transportation Pavement Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Pavement								
39	C-PAVE	C-PAVE-M-	Pavement joints	0	0.35	M/6	M/5	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7	
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Channel Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Channels							
30	C-CHAN	C-CHAN-M-	Channel outlines, control limits, vertical alignments, centerlines	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXIST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Airfield Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Taxiway							
11	C-TAXI	C-TAXI-M-	Taxiway outlines, joints, shoulders, centerlines	V	V	V	V
Apron							
18	C-APRN	C-APRN-M-	Apron outlines, joints, shoulders, centerlines	V	V	V	V
Overrun Areas							
25	C-OVRN	C-OVRN-M-	Airfield overrun area outlines, joints, shoulders, centerlines	V	V	V	V
Runway							
35	C-AIRF	C-AIRF-M-	Airfield runway edges, centerlines	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Airfield Pavement Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Airfield Pavement Types							
31	C-PAVE	C-PAVE-M-	Type A, B, and C traffic areas	V	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Sections/Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	C-ANNO-KEYN	C-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	C-ANNO-NOTE	C-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	C-ANNO-XREF	C-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Building and Primary Structures							
11	C-BLDG	C-BLDG-M-	Building and primary structures - outline	0	0.50	C/4	C/7
Site							
14	C-SITE	C-SITE-M-	Fences, handrails, site improvements, ramps, signs, stairs, walks, trails	0	V	V	V
Property							
23	C-PROP	C-PROPM--M-	Bearings and distance labels, construction limits, easements, right of ways	V	V	V	V
Topography							
39	C-TOPO	C-TOPO-M-	Soil boring layouts, major/minor contours, retaining walls, cut/fill slopes, spot elevations, profiles and x-sections, grid lines, coordinate grid	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	C-STAT-DEMO	C-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	C-STAT-EXST	C-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	C-STAT-FUTR	C-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	C-STAT-MOVE	C-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	C-STAT-NEWW	C-STATNEM-*	New work	0	0.50	C/4	C/7
55	C-STAT-NICN	C-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	C-STAT-PHS#	C-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	C-STAT-RELO	C-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	C-STAT-TEMP	C-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil/Site

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	C-ANNO-DIMS	C-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	C-ANNO-NPLT	C-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	C-ANNO-PATT	C-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	C-ANNO-SYMB	C-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	C-ANNO-TEXT	C-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	C-DETL	C-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Discipline: Civil Works

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	W-DEMO	W-DEMO-M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers							
50	W-STAT-DEMO	W-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil Works

Model File Type: Civil Works Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Coordinate Grid							
8	W-GRID	W-GRID-M-	Coordinate grid tics	0	0.25	R/1	R/3
Alignments/Geometry							
9	W-CNTR	W-CNTR--M-	Centerlines	V	0.18	B/5	B/1
Buildings and Structures							
11	W-BLDG	W-BLDG--M-	Buildings and other structures	V	0.35	M/6	M/5
Site Improvement							
14	W-SITE	W-SITE--M-	Fences, trails, signs, walks	V	V	V	V
Property							
25	W-PROP	W-PROP--M-	Easements, construction limits, staging areas, right of ways	2	0.70	W/7	W/8
Topography							
37	W-TOPO	W-TOPO--M-	Swales, ditches, boring locations, breaklines, major/minor contours, cut/fill slopes, top/toe slopes, spot elevations	0	V	V	V
Pavements/Transportation							
22	W-PAVE	W-PAVE--M-	Roads, parking lots, railroads, curbs, runways, taxiway aprons, joint patterns, pavement markings	0	V	V	V
Erosion Control							
29	W-EROS	W-EROS--M-	Revetments, stone protection, breakwaters, dikes, jetties, drains	0	0.25	R/1	R/3
Storm Drainage							
32	W-STRM	W-STRM--M-	Storm drainage, headwalls, inlets, manholes, culverts, drainage structures	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	W-STAT-DEMO	W-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	W-STAT-NEWWW	W-STATNEM-*	New work	0	0.50	C/4	C/7
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil Works

Model File Type: Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	W-ELEV	W-ELEV--M-	Miscellaneous fixtures, component identification numbers, building outlines, textures and hatch patterns	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	W-STAT-DEMO	W-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	W-STAT-NEWWW	W-STATNEM-*	New work	0	0.50	C/4	C/7
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Civil Works

Model File Type: Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	W-ANNO-DIMS	W-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	W-ANNO-KEYN	W-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	W-ANNO-NOTE	W-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	W-ANNO-NPLT	W-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	W-ANNO-PATT	W-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	W-ANNO-SYMB	W-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	W-ANNO-TEXT	W-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	W-ANNO-XREF	W-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	W-SECT	W-SECT--M-	Component identification numbers, material beyond section cut, material cut by section, textures and hatch patterns	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	W-STAT-DEMO	W-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	W-STAT-EXST	W-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	W-STAT-FUTR	W-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	W-STAT-MOVE	W-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	W-STAT-NEWWW	W-STATNEM-*	New work	0	0.50	C/4	C/7	
55	W-STAT-NICN	W-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	W-STAT-PHS#	W-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	W-STAT-RELO	W-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	W-STAT-TEMP	W-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Geotechnical

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	B-ANNO-DIMS	B-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	B-ANNO-KEYN	B-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	B-ANNO-NOTE	B-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	B-ANNO-NPLT	B-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	B-ANNO-PATT	B-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	B-ANNO-SYMB	B-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	B-ANNO-TEXT	B-ANNOTEP-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
NA	B-ANNO-XREF	B-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	B-DEMO	B-DEMO--M-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	B-STAT-DEMO	B-STATDEM-* Demolition		2	0.35	M/6	M/5
51	B-STAT-EXST	B-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	B-STAT-MOVE	B-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	B-STAT-NICH	B-STATNIIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	B-STAT-PHS#	B-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	B-STAT-RELO	B-STATREM-* Relocated items		2	0.18	B/5	B/1
58	B-STAT-TEMP	B-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Geotechnical

Model File Type: Boring Log - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	B-ANNO-KEYN	B-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	B-ANNO-NOTE	B-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	B-ANNO-SYMB	B-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	B-ANNO-TEXT	B-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	B-ANNO-XREF	B-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Borings/Perk Holes								
11	B-BORE	B-BORE-M-	Bore/perk hole locations, field information, component identification numbers, laboratory information	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	B-STAT-DEMO	B-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	B-STAT-EXST	B-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	B-STAT-FUTR	B-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	B-STAT-MOVE	B-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	B-STAT-NEWW	B-STATNEM-*	New work	0	0.50	C/4	C/7	
55	B-STAT-NICN	B-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	B-STAT-PHS#	B-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	B-STAT-RELO	B-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	B-STAT-TEMP	B-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Geotechnical

Model File Type: Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	B-ANNO-KEYN	B-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	B-ANNO-NOTE	B-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	B-ANNO-SYMB	B-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	B-ANNO-TEXT	B-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	B-ANNO-XREF	B-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	B-SECT	B-SECT-M-	Component identification numbers, material beyond section cut, material cut by section, textures and hatch patterns	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	B-STAT-DEMO	B-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	B-STAT-EXIST	B-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	B-STAT-FUTR	B-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	B-STAT-MOVE	B-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	B-STAT-NEWW	B-STATNEM-*	New work	0	0.50	C/4	C/7	
55	B-STAT-NICN	B-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	B-STAT-PHS#	B-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	B-STAT-RELO	B-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	B-STAT-TEMP	B-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Geotechnical

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	B-ANNO-DIMS	B-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	B-ANNO-NPLT	B-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	B-ANNO-PATT	B-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	B-ANNO-SYMB	B-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9
7	B-ANNO-TEXT	B-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	B-DETL	B-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	U-DEMO	U-DEMO--M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	U-STAT-EXIST	U-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	U-STAT-NICN	U-STATNIIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Electrical Utilities Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Abandoned Electrical Cables							
10	U-CABL	U-CABL-M-	Abandoned electrical utility lines	2	0.35	M/6	M/5
Primary Electrical Cables							
11	U-PRIM	U-PRIM-M-	Overhead/underground electrical utility lines	V	0.35	M/6	M/5
Secondary Electrical Cables							
14	U-SCND	U-SCND-M-	Overhead/underground electrical utility lines	V	0.35	Y/2	Y/4
Service Cables							
17	U-SERV	U-SERV-M-	Overhead/underground electrical utility lines	V	0.25	G/3	G/2
Site Utility Items							
20	U-SITE	U-SITE-M-	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, markers, ductbanks, junction boxes, substations, switches, vaults	0	V	V	V
Lights							
26	U-LITE	U-LITE-M-	External flood lights, pole mounted lights, street lights, walkway lights	0	0.35	M/6	M/5
Transformers							
37	U-TRAN	U-TRAN-M-	Pole mounted transformers	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: EMCS Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
EMCS							
10	U-EMCS	U-EMCS--M-	EMCS cables, devices, ductbanks, junction boxes	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Fuel Utilities Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Fuel Utilities							
11	U-FUEL	U-FUEL-M-	Devices, stations, junction boxes, pits, piping	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Gas Utilities Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Gas Utilities							
11	U-GASP	U-GASP-M-	Devices, stations, junction boxes, pits, piping	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Poles Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Poles							
11	U-POLE	U-POLE-M-	Double poles, identifier tags, symbol modifiers, pole risers, single poles, towers	0	0.25	G/3	G/2
Guy Wires							
20	U-GUYW	U-GUYW-M-	Down guy wires, identifier tags, symbol modifiers, span guy wires	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Utilities

Model File Type: HTCW Utilities Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
HTCW Utilities							
11	U-HTCW	U-HTCW-M-	Devices, stations, plants, junction boxes, pits, piping	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: Domestic Water Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Domestic Water Plan							
11	U-DOMW	U-DOMW--M-	Devices, stations, reservoirs, junction boxes, pits, piping	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Utilities

Model File Type: One-Line Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	U-ANNO-DIMS	U-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	U-ANNO-KEYN	U-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	U-ANNO-NOTE	U-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	U-ANNO-NPLT	U-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	U-ANNO-PATT	U-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	U-ANNO-SYMB	U-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	U-ANNO-TEXT	U-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	U-ANNO-XREF	U-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Control Circuit							
11	U-CNTL	U-CNTL-M-	Antenna, arrestor valves, batteries, capacitors, circuit boards, contacts, fuses, generators, grounds, metering devices, motors, overloads, reactors, relays, resistors	V	0.25	G/3	G/2
One-Line Diagram Linework							
41	U-1LIN	U-1LIN-M-	Fine, thin, medium, wide, and extra wide one-line linework	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	U-STAT-DEMO	U-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	U-STAT-EXST	U-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	U-STAT-FUTR	U-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	U-STAT-MOVE	U-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	U-STAT-NEWW	U-STATNEM-*	New work	0	0.50	C/4	C/7
55	U-STAT-NICN	U-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	U-STAT-PHS#	U-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	U-STAT-RELO	U-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	U-STAT-TEMP	U-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEPI-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	L-DEMO	L-DEMO~M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	L-STAT-MOVE	L-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Irrigation Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Col#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Irrigation System							
25	L-IRRG	L-IRRG-M-	Irrigation coverage, equipment, piping, sprinklers, drip/sprinkler heads, spray distribution patterns	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWW	L-STATNEM-*	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Landscape Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Col#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Site Improvements							
11	L-SITE	L-SITE--M-	Bridges, decks, fencing, site furnishings, play structures, pools, boulders, cobble, sports fields, steps, walls	0	V	V	V
Landscape Plants							
25	L-PLNT	L-PLNT--M-	Rock, bark, and other landscaping beds, groundcover and vines, planting plants, shrub lines, shrubs, tree lines, trees	V	V	V	V
Walks							
35	L-WALK	L-WALK--M-	Walks and steps	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXIST	L-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWW	L-STATNEM-*	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Turfing Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Col
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	L-ANNO-KEYN	L-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	L-ANNO-NOTE	L-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	L-ANNO-NPLT	L-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	L-ANNO-SYMB	L-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	L-ANNO-XREF	L-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Hydroseeding							
11	L-HYDR	L-HYDR-M-	Hydroseeding - seed, sod, sprig	0	V	V	V
Turfing							
21	L-TURF	L-TURF-M-	Mulching outlines	0	0.18	B/5	B/1
Turf							
25	L-SEED	L-SEED-M-	Seed, sod, sprig	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	L-STAT-DEMO	L-STATDEM-	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	L-STAT-EXST	L-STATEXM-	Existing to remain	0	0.35	Y/2	Y/4
52	L-STAT-FUTR	L-STATFUM-	Future work	7	0.35	Y/2	Y/4
53	L-STAT-MOVE	L-STATMOM-	Items to be moved	5	0.35	M/6	M/5
54	L-STAT-NEWWW	L-STATNEM-	New work	0	0.50	C/4	C/7
55	L-STAT-NICN	L-STATNIM-	Not in contract	3	0.18	Gr/8	Gr/9
56	L-STAT-PHS#	L-STATPHM-	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	L-STAT-RELO	L-STATREM-	Relocated items	2	0.18	B/5	B/1
58	L-STAT-TEMP	L-STATTEM-	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Landscape Architecture

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	L-ANNO-DIMS	L-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	L-ANNO-NPLT	L-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	L-ANNO-PATT	L-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	L-ANNO-SYMB	L-ANNOSYP-	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	L-ANNO-TEXT	L-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	L-DETL	L-DETL-M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-* General notes and general remarks	0	0.35	Y/2	Y/4	
3	S-ANNO-NPLT	S-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	S-ANNO-PATT	S-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	S-ANNO-SYMB	S-ANNOSYP-* Miscellaneous symbols	V	0.35	M/6	M/5	
7	S-ANNO-TEXT	S-ANNOTEPE-* Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	NA
Demolition							
60	S-DEMO	S-DEMO-M-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-* Demolition	2	0.35	M/6	M/5	
51	S-STAT-EXIST	S-STATEXM-* Existing to remain	0	0.25	G/3	G/2	
53	S-STAT-MOVE	S-STATMOM-* Items to be moved	5	0.35	M/6	M/5	
55	S-STAT-NICH	S-STATNIIM-* Not in contract	3	0.18	Gr/8	Gr/9	
56	S-STAT-PHS*	S-STATPHM-* Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	S-STAT-RELO	S-STATREM-* Relocated items	2	0.18	B/5	B/1	
58	S-STAT-TEMP	S-STATTEM-* Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Discipline: Structural

Model File Type: Foundation Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines (use only if a Column Plan model file is not created)							
10	S-GRID	S-GRID-M-	Grid lines, column tags	V	V	V	V
Foundation							
16	S-FNDN	S-FNDN-M-	Footings, grade beams, piles, piers, caisson piers, drilled piers, foundation reinforcing, component identification numbers	V	0.35	Y/2	Y/4
Grading							
23	S-GRAD	S-GRAD-M-	Elevated grading, floor grading	3	0.18	Gr/8	Gr/9
Slabs							
26	S-SLAB	S-SLAB-M-	Slab outline, control joints, reinforcing	0	0.35	Y/2	Y/4
Grating							
30	S-GRAT	S-GRAT-M-	Elevated grating (catwalks), floor grating	0	0.25	G/3	G/2
Joints							
33	S-JOIN	S-JOIN-M-	Construction joints, control/expansion joints	V	V	V	V
Miscellaneous Supports							
35	S-SPPT	S-SPPT-M-	Miscellaneous fasteners, anchor bolts, supports	0	0.35	Y/2	Y/4
Stairs							
38	S-STRS	S-STRS-M-	Stair control joints, ladders, ladder handrails, safety guards, grab bars, stair reinforcing	0	0.25	G/3	G/2
Walls							
43	S-WALL	S-WALL-M-	Concrete walls, load/non-load bearing CMU walls, precast walls, steel stud walls	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Structural Framing Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Beams							
11	S-BEAM	S-BEAM--M-	Primary beams/girders, secondary beams/girders, centerlines	V	V	V	V
Bracing							
16	S-BRAC	S-BRAC--M-	Lateral bracing, vertical bracing, shear walls	0	0.35	Y/2	Y/4
Deck							
20	S-DECK	S-DECK--M-	Floor deck, roof deck, openings and penetrations	0	0.25	G/3	G/2
Elevators							
25	S-EVTR	S-EVTR--M-	Elevator framing	0	0.35	M/6	M/5
Miscellaneous Metal							
28	S-METL	S-METL--M-	Miscellaneous metal	0	0.35	M/6	M/5
Miscellaneous Supports							
30	S-SPPT	S-SPPT--M-	Miscellaneous fasteners, anchor bolts, supports	0	0.35	Y/2	Y/4
Open Web Joists							
36	S-JOIS	S-JOIS--M-	Primary and secondary joists, bridging	0	0.35	M/6	M/5
Trusses							
41	S-TRUS	S-TRUS--M-	Trusses	0	0.35	M/6	M/5
Welding							
48	S-WELD	S-WELD--M-	Welding symbols	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Column Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Grid Lines							
10	S-GRID	S-GRID-M-	Horizontal and vertical grid lines, column tags	V	V	V	V
Columns							
16	S-COLS	S-COLS-M-	Primary and secondary columns, centerlines	V	V	V	V
Welding							
48	S-WELD	S-WELD-M-	Welding symbols	0	0.25	R/1	R/3
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXIST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS*	S-STATPHM-*	Phase numbers (*=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	0.35	Y/2	Y/4
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	0.35	Y/2	Y/4
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
40	S-ELEV	S-ELEV-M-	Building outlines, signage, component identification numbers, textures and hatch patterns	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Building Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	S-ANNO-KEYN	S-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	S-ANNO-NOTE	S-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	S-ANNO-TEXT	S-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	S-ANNO-XREF	S-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Sections							
45	S-SECT	S-SECT-M-	Material cut by section, material beyond section cut, component identification numbers, textures and hatch patterns	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	S-STAT-DEMO	S-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	S-STAT-EXST	S-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	S-STAT-FUTR	S-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	S-STAT-MOVE	S-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	S-STAT-NEWWW	S-STATNEM-*	New work	0	0.50	C/4	C/7
55	S-STAT-NICN	S-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	S-STAT-PHS#	S-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	S-STAT-RELO	S-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	S-STAT-TEMP	S-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Structural

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	S-ANNO-DIMS	S-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	S-ANNO-NPLT	S-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	V	V	V
4	S-ANNO-PATT	S-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	S-ANNO-SYMB	S-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	V	V	V
7	S-ANNO-TEXT	S-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	0	V	V	V
Detail Information							
9	S-DETL	S-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP.*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	A-DEMO	A-DEMO--M.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	A-STAT-MOVE	A-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	A-STAT-NICN	A-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Floor Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Floor Plan							
11	A-FLOR	A-FLOR-M-	Floor information, plumbing fixtures, elevators, stairs, railings, woodwork, ceiling penetrations	V	V	V	V
Columns							
22	A-COLS	A-COLS-M-	Column enclosures/fire protection	0	0.50	C/4	C/7
Walls							
23	A-WALL	A-WALL--M-	Cavity walls, centerlines, wall mullions and glass, exterior/interior full height walls, wall identification tags, moveable walls/partitions, fire wall designators, wall-hung specialit	V	V	V	V
Doors							
37	A-DOOR	A-DOOR-M-	Full/partial height doors: swing and leaf, door number and symbol, miscellaneous door symbols	0	V	V	V
Windows							
41	A-GLAZ	A-GLAZ-M-	Full height glazed walls/partitions, window sills	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	A-STAT-EXIST	A-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Reflected Ceiling Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	V	V	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ceiling Information							
11	A-CLNG	A-CLNG-M-	Access panels, ceiling/roof penetrations, ceiling control joints, ceiling grid, main tees, suspended elements, ceiling mounted specialities	0	V	V	V
Lights							
21	A-LITE	A-LITE-M-	Ceiling recessed lights, emergency lights, surface mounted lights, wall mounted lights	0	V	V	V
Diffusers							
26	A-HVAC	A-HVAC-M-	Other inlets and outlets, ceiling return inlets, ceiling supply diffusers	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXIST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Roof Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche (see also A-ROOF-PATT)	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Roof Information							
11	A-ROOF	A-ROOF--M-	Crickets flow arrows, roof drains, internal gutters, expansion joints, stair handrails, nosings, guard rails, level changes, accessories, stair risers/treads, walkways	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Elevations (Exterior and Interior) - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
37	A-ELEV	A-ELEV-M-	Wall-mounted casework, miscellaneous fixtures, finishes, woodwork, trim, component identification numbers, building outlines, plumbing fixtures, signage	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/8
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Finish Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Furniture							
11	A-FURN	A-FURN-M-	Finish patterns	0	0.18	Gr/8	Gr/9
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Building Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Sections							
45	A-SECT	A-SECT-M-	Component identification numbers, material beyond section cut, material cut by section, textures	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	A-DETL	A-DETL-M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Equipment Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Area Information							
11	A-EQPM	A-EQPM--M-	Equipment access, ceiling mounted/suspended equipment, fixed equipment, equipment identification numbers, moveable equipment	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Life Safety Plan - Simplified

Level #				Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Life Safety							
11	A-LSFT	A-LSFT-M-	Egress requirements designators, fire equipment, travel distances, wall fire ratings	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Architectural

Model File Type: Area Calculations/Occupancy Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	A-ANNO-DIMS	A-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	A-ANNO-KEYN	A-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	A-ANNO-NOTE	A-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	A-ANNO-NPLT	A-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	A-ANNO-PATT	A-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	A-ANNO-SYMB	A-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	A-ANNO-TEXT	A-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	A-ANNO-XREF	A-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Area Information							
9	A-AREA	A-AREA-M-	Room numbers, tenant identifications, area calculations, architectural area calculations boundary lines, occupant/employee names	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	A-STAT-DEMO	A-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	A-STAT-EXST	A-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	A-STAT-FUTR	A-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	A-STAT-MOVE	A-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	A-STAT-NEWW	A-STATNEM-*	New work	0	0.50	C/4	C/7
55	A-STAT-NICN	A-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	A-STAT-PHS#	A-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	A-STAT-RELO	A-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	A-STAT-TEMP	A-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*		0	V		V
NA		I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)			NA	NA
Demolition							
60		I-DEMO-M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0.35	M/6	
(Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Furniture Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#	
General Information								
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Equipment								
11	I-EQPM	I-EQPM-M-	Child development, ceiling/suspended equipment, copiers, fax machines, fixed/moveable/not in contract equipment, high density storage, equipment access	V	V	V	V	
Free Standing Furniture								
25	I-FURN	I-FURN-M-	Accessories, artwork, casegoods, flooring, free-standing desks and tables, medical, miscellaneous, plants, chairs, sofas, file cabinets, code identification, planning grid	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7	
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: System Furniture Plan/Workstation Typical - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPOP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Systems Furniture							
11	I-SYST	I-SYST-M-	Furniture, code identification, lighting/power/communication/storage/work surface components, patterns, panels, partition walls	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Signage Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Signage							
46	I-FLOR	I-FLOR-M-	Directory signage	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Interior Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	I-ANNO-KEYN	I-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	I-ANNO-NOTE	I-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	I-ANNO-SYMB	I-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	I-ANNO-TEXT	I-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	I-ANNO-XREF	I-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Elevations								
37	I-ELEV	I-ELEV-M-	Wall mounted casework, misc. fixtures, finishes, woodwork, trim, signage, plumbing fixtures, component identification numbers, textures and hatch patterns	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	I-STAT-DEMO	I-STATDEM-*	Demolition	2	0.35	M/6	M/5	
51	I-STAT-EXST	I-STATEXM-*	Existing to remain	0	0.25	G/3	G/2	
52	I-STAT-FUTR	I-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	I-STAT-MOVE	I-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	I-STAT-NEWW	I-STATNEM-*	New work	0	0.50	C/4	C/7	
55	I-STAT-NICN	I-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	I-STAT-PHS#	I-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	I-STAT-RELO	I-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	I-STAT-TEMP	I-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Interior Design

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	I-ANNO-DIMS	I-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	I-ANNO-NPLT	I-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	V	V	V
4	I-ANNO-PATT	I-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	I-ANNO-SYMB	I-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.35	M/6	M/5
7	I-ANNO-TEXT	I-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	0	V	V	V
Detail Information							
9	I-DETL	I-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONPP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	QSDEMO	QSDEMO-M-*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.25	G/3	G/2
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Security Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Access Control							
11	QSACCC	QSACCC--M-	Exterior/interior mounted access control devices, access control units/panels	0	0.25	G/3	G/2
Annunciation							
14	QSANCN	QSANCN--M-	Annunciation equipment control unit/panel, remote station	0	0.25	G/3	G/2
Barriers							
17	QSBARR	QSBARR--M-	Fences/gates, walls, sensors	0	V	V	V
Communications							
21	QSCOMM	QSCCOMM--M-	Ceiling mounted/wall mounted communication equipment, intercoms/speakers, communication panels	0	0.25	G/3	G/2
Switches/Contacts							
26	QSSWCH	QSSWCH--M-	Flush mounted/surface mounted switches/contacts	0	0.25	G/3	G/2
Sensors							
30	QSSENS	QSSENS--M-	Buried/ceiling mounted/floor mounted/glass mounted/wall mounted sensors, sensor control units	V	0.25	G/3	G/2
Assessment/Closed Circuit Television							
37	QSCCTV	QSCCTV--M-	Ceiling mounted/wall mounted CCTV	0	0.25	G/3	G/2
Security Dedicated Lighting							
40	QSLITE	QSLITE--M-	Ceiling mounted/pole mounted/wall mounted security lighting	0	0.25	G/3	G/2
Locking Devices							
44	QSLOCK	QSLOCK--M-	Electric/manual locking devices	0	0.25	G/3	G/2
Security Wiring/Circuits							
47	QSWIRE	QSWIRE--M-	Security wiring/circuits	0	0.18	B/5	B/1
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEWW	QSSTATNEM-*	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	QSELEV	QSELEV-M-	Miscellaneous fixtures, building outlines, signage, component identification numbers, textures	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEWW	QSSTATNEM-*	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Equipment - Security Systems

Model File Type: Riser Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	QSANNO-DIMS	QSANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	QSANNO-KEYN	QSANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	QSANNO-NOTE	QSANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	QSANNO-NPLT	QSANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	QSANNO-PATT	QSANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	QSANNO-SYMB	QSANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	QSANNO-TEXT	QSANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	QSANNO-XREF	QSANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Access Control							
11	QSACCC	QSACCC--M-	Exterior mounted access control devices, access control units/panels	0	0.25	G/3	G/2
Annunciation							
14	QSANCN	QSANCN--M-	Annunciation equipment control units/panels, remote stations	0	0.25	G/3	G/2
Barriers							
18	QSBARR	QSBARR--M-	Sensors	0	0.25	G/3	G/2
Communications							
22	QSCOMM	QSCOMM--M-	Intercoms/speakers, communication panels	0	0.25	G/3	G/2
Sensors							
34	QSSENS	QSSENS--M-	Sensor control unit	0	0.25	G/3	G/2
Security Dedicated Lighting							
40	QLSLITE	QLSLITE--M-	Ceiling/pole/wall mounted security lighting	0	0.25	G/3	G/2
Locking Devices							
44	QSLOCK	QSLOCK--M-	Electric locking devices	0	0.25	G/3	G/2
Security Wiring/Circuits							
47	QSWIRE	QSWIRE--M-	Security wiring/circuits	0	0.18	B/5	B/1
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	QSSTAT-DEMO	QSSTATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	QSSTAT-EXST	QSSTATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	QSSTAT-FUTR	QSSTATFUM-*	Future work	7	0.35	Y/2	Y/4
53	QSSTAT-MOVE	QSSTATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	QSSTAT-NEWW	QSSTATNEM-*	New work	0	0.50	C/4	C/7
55	QSSTAT-NICN	QSSTATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	QSSTAT-PHS#	QSSTATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	QSSTAT-RELO	QSSTATREM-*	Relocated items	2	0.18	B/5	B/1
58	QSSTAT-TEMP	QSSTATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Fire Protection/Suppression

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	F-ANNO-SYMB	F-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
na	F-ANNO-XREF	F-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	F-DEMO	F-DEMO-M-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-* Demolition		2	0.35	M/6	M/5
51	F-STAT-EXIST	F-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	F-STAT-MOVE	F-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	F-STAT-NICN	F-STATNIIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	F-STAT-PHS#	F-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-* Relocated items		2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Fire Protection/Suppression

Model File Type: Sprinkler Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	F-ANNO-SYMB	F-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	F-ANNO-XREF	F-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
CO2 Sprinkler System							
11	F-CO2S	F-CO2S-M-	Equipment and piping	0	0.35	V	V
Aqueous Film Forming Foam System							
14	F-AFFF	F-AFFF-M-	Equipment and piping	0	0.35	V	V
Halon System							
17	F-HALN	F-HALN-M-	Equipment and piping	0	0.25	R/1	R/3
Inert Gas							
20	F-IGAS	F-IGAS--M-	Equipment and piping	0	0.25	G/3	G/2
Sprinkler System							
23	F-SPRN	F-SPRN--M-	Combination system, sprinkler piping, upright/pendant/other sprinklers	0	V	V	V
Fire Protection/Suppression System							
30	F-PROT	F-PROT--M-	Equipment (fire hose cabinets, extinguishers)	0	0.35	Y/2	Y/4
Fire Alarm System							
33	F-ALRM	F-ALRM--M-	Smoke detectors, heat sensors	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	F-STAT-EXST	F-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	F-STAT-FUTR	F-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	F-STAT-MOVE	F-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	F-STAT-NEWW	F-STATNEM-*	New work	0	0.50	C/4	C/7
55	F-STAT-NICN	F-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	F-STAT-PHS#	F-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Fire Protection/Suppression

Model File Type: Riser Diagrams

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	F-ANNO-DIMS	F-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	F-ANNO-KEYN	F-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	F-ANNO-NOTE	F-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	F-ANNO-NPLT	F-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	F-ANNO-PATT	F-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/8
6	F-ANNO-SYMB	F-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	F-ANNO-TEXT	F-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	F-ANNO-XREF	F-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
CO2 Sprinkler System							
11	F-CO2S	F-CO2S-M-	Equipment and piping	0	0.35	V	V
Aqueous Film Forming Foam System							
14	F-AFFF	F-AFFF-M-	Equipment and piping	0	0.35	V	V
Halon System							
17	F-HALN	F-HALN-M-	Equipment and piping	0	0.25	R/1	R/3
Inert Gas							
20	F-IGAS	F-IGAS--M-	Equipment and piping	0	0.25	G/3	G/2
Sprinkler System							
23	F-SPRN	F-SPRN-M-	Combination system, sprinkler piping, upright/pendant/other sprinklers	0	V	V	V
Fire Protection/Suppression System							
30	F-PROT	F-PROT-M-	Equipment (fire hose cabinets, extinguishers)	0	0.35	Y/2	Y/4
Fire Alarm System							
33	F-ALRM	F-ALRM-M-	Smoke detectors, heat sensors	0	0.25	G/3	G/2
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	F-STAT-DEMO	F-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	F-STAT-EXST	F-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	F-STAT-FUTR	F-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	F-STAT-MOVE	F-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	F-STAT-NEWW	F-STATNEM-*	New work	0	0.50	C/4	C/7
55	F-STAT-NICN	F-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/8
56	F-STAT-PHS#	F-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	F-STAT-RELO	F-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	F-STAT-TEMP	F-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Plumbing

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	P-ANNO-KEYN	P-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEPE-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
NA	P-ANNO-XREF	P-ANNOXR-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	P-DEMO	P-DEMO-M-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM-* Demolition		2	0.35	M/6	M/5
51	P-STAT-EXST	P-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	P-STAT-MOVE	P-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	P-STAT-NICN	P-STATNIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM-* Relocated items		2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Plumbing

Model File Type: Piping Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	P-ANNO-KEYN	P-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	P-ANNO-XREF	P-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Domestic Water Piping System							
11	P-DOMW	P-DOMW--M-	Domestic hot and cold water piping/equipment/risers, filtered water piping	V	V	V	V
Sanitary Drainage Piping							
21	P-SANR	P-SANR--M-	Fixtures, equipment, floor drains, cleanouts, piping, risers, vent piping	V	V	V	V
Storm Drainage Piping							
31	P-STRM	P-STRM--M-	Storm drain piping/risers, roof drains/piping	V	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	P-STAT-EXIST	P-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	P-STAT-FUTR	P-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	P-STAT-MOVE	P-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	P-STAT-NEWW	P-STATNEM-*	New work	0	0.50	C/4	C/7
55	P-STAT-NICN	P-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Plumbing

Model File Type: Riser Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	P-ANNO-DIMS	P-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	P-ANNO-KEYN	P-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	P-ANNO-NOTE	P-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	P-ANNO-NPLT	P-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	P-ANNO-PATT	P-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	P-ANNO-SYMB	P-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	P-ANNO-TEXT	P-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	P-ANNO-XREF	P-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Domestic Water Piping System							
11	P-DOMW	P-DOMW--M-	Domestic hot and cold water piping/equipment/risers, filtered water piping	V	V	V	V
Sanitary Drainage Piping							
21	P-SANR	P-SANR--M-	Fixtures, equipment, floor drains, cleanouts, piping, risers, vent piping	V	V	V	V
Storm Drainage Piping							
31	P-STRM	P-STRM--M-	Storm drain piping/risers, roof drains/piping	V	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	P-STAT-DEMO	P-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	P-STAT-EXIST	P-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	P-STAT-FUTR	P-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	P-STAT-MOVE	P-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	P-STAT-NEWW	P-STATNEM-*	New work	0	0.50	C/4	C/7
55	P-STAT-NICN	P-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	P-STAT-PHS#	P-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	P-STAT-RELO	P-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	P-STAT-TEMP	P-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOT.	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP.*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	M-DEMO	M-DEMO-M.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	M-STAT-MOVE	M-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	M-STAT-NICN	M-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: HVAC Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ductwork and Equipment							
11	M-HVAC	M-HVAC--M-	Equipment access doors, air system equipment, return/supply ductwork, ceiling diffusers, diffuser tags, return air/supply diffusers	0	V	V	V
Exhaust							
23	M-EXHS	M-EXHS--M-	Exhaust air ceiling diffusers, ductwork, equipment	0	0.35	V	V
Exhaust Makeup							
28	M-MKUP	M-MKUP--M-	Exhaust makeup air ceiling diffusers, ductwork, equipment	0	0.35	V	V
Industrial Exhaust							
33	M-INEX	M-INEX--M-	Industrial exhaust air ceiling diffusers, ductwork, equipment	0	0.35	V	V
Controls							
38	M-CONT	M-CONT--M-	Controls, instrumentation, sensors, and equipment, thermostats, low voltage wiring	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXIST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Piping Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Chilled Water System							
11	M-CWTR	M-CWTR--M-	Equipment, piping (includes fittings, valves, instrumentation)	0	V	V	V
Hot Water Heating System							
15	M-HWTR	M-HWTR--M-	Equipment, piping (includes fittings, valves, instrumentation)	0	0.35	V	V
Dual Temperature System							
18	M-DUAL	M-DUAL--M-	Equipment, piping (includes fittings, valves, instrumentation)	0	V	V	V
Steam System							
21	M-STEM	M-STEM--M-	Condensate piping, equipment, high/low/medium pressure piping	0	V	V	V
Refrigeration System							
27	M-REFG	M-REFG--M-	Equipment, piping (includes fittings, valves, instrumentation)	0	0.35	V	V
Energy Recovery System							
30	M-RCOV	M-RCOV--M-	Equipment, piping (includes fittings, valves, instrumentation)	0	0.35	V	V
Fuel Systems							
33	M-FUEL	M-FUEL--M-	Equipment, fuel gas process/general piping, fuel oil general/process piping	0	V	V	V
Controls							
38	M-CONT	M-CONT--M-	Controls, instrumentation, sensors, and equipment, thermostats, low voltage wiring	0	0.35	Y/2	Y/4
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXIST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Mechanical

Model File Type: Specialty Piping and Equipment - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Brine Systems							
11	M-BRIN	M-BRIN-M-	Brine system equipment, piping	0	0.35	V	V
Dental Piping							
13	M-DENT	M-DENT-M-	Equipment, piping	0	0.35	V	V
Fuel Distribution Piping							
15	M-FUEL	M-FUEL--M-	Fuel distribution equipment, return/supply piping	0	0.35	V	V
High Pressure Compressed Air							
18	M-CMPH	M-CMPH--M-	High pressure equipment, governor or high pressure brake lines	0	0.35	V	V
Low Pressure Compressed Air							
20	M-CMPL	M-CMPL--M-	Shop and control air equipment/piping	0	0.35	V	V
Hydraulic Systems							
22	M-HYDR	M-HYDR--M-	Hydraulic system equipment/return piping/supply piping	0	0.35	V	V
Industrial Waste Piping							
25	M-ACID	M-ACID-M-	Acid, alkaline, and oil waste equipment/waste piping/waste vent piping	0	0.35	V	V
Insulating (Transformer) Oil							
28	M-INSL	M-INSL--M-	Insulating oil equipment/return piping/supply piping	0	0.35	V	V
Laboratory Piping							
31	M-LGAS	M-LGAS--M-	Equipment, piping	0	0.35	V	V
Lubrication Oil							
33	M-LUBE	M-LUBE--M-	Lubrication oil equipment/return piping/supply piping	0	0.35	V	V
Medical Gas Piping							
36	M-MDG5	M-MDG5--M-	Equipment, piping	0	0.35	V	V
Natural Gas (or Liquid Petroleum) Piping							
38	M-NGAS	M-NGAS--M-	Equipment, piping	0	0.35	V	V
Process Piping							
40	M-PROC	M-PROC--M-	Equipment, process/return/supply piping	0	0.35	V	V
Raw Water Piping							
44	M-RWTR	M-RWTR--M-	Raw water equipment/piping	0	0.35	V	V
Station Drainage							
46	M-STDN	M-STDN--M-	Station drainage equipment/piping	0	0.35	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXIST	M-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Machine Design - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Machine Design							
11	M-MACH	M-MACH--M-	Machinery bases, miscellaneous machinery parts and components, existing machinery, fasteners, nuts and bolts, large rotating machinery, machinery motors	0	0.35	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Material Handling - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Material Handling							
43	M-MATL	M-MATL~M-	Bridge cranes, jib cranes, and monorails, hoists, hooks, miscellaneous lifting equipment	0	0.35	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.25	G/3	G/2
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Controls Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Energy Management							
11	M-ENER	M-ENER--M-	Energy management equipment/wiring	0	0.35	M/6	M/5
Controls							
38	M-CONT	M-CONT--M-	Controls, instrumentation, diagrams, schematics, and equipment, thermostats, control wiring and tubing	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Elevations - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	M-ANNO-KEYN	M-ANNKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	M-ANNO-NOTE	M-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	M-ANNO-TEXT	M-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	M-ANNO-XREF	M-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Elevations							
38	M-ELEV	M-ELEV-M-	Miscellaneous fixtures, component identification numbers, building outlines, plumbing fixtures	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	M-STAT-DEMO	M-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	M-STAT-EXST	M-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	M-STAT-FUTR	M-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	M-STAT-MOVE	M-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	M-STAT-NEWWW	M-STATNEM-*	New work	0	0.50	C/4	C/7
55	M-STAT-NICN	M-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	M-STAT-PHS#	M-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	M-STAT-RELO	M-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	M-STAT-TEMP	M-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Building Sections - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	M-ANNO-DIMS	M-ANNODIP*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	M-ANNO-KEYN	M-ANNOKEP*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	M-ANNO-NOTE	M-ANNONOP*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	M-ANNO-NPLT	M-ANNONPP*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	M-ANNO-PATT	M-ANNOPAP*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	M-ANNO-SYMB	M-ANNOSYP*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	M-ANNO-TEXT	M-ANNOTEP*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	M-ANNO-XREF	M-ANNOXRP*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Sections								
45	M-SECT	M-SECT-M*	Component identification numbers, material beyond section cut, material cut by section	0	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	M-STAT-DEMO	M-STATDEM*	Demolition	2	0.35	M/6	M/5	
51	M-STAT-EXST	M-STATEXM*	Existing to remain	0	0.25	G/3	G/2	
52	M-STAT-FUTR	M-STATFUM*	Future work	7	0.35	Y/2	Y/4	
53	M-STAT-MOVE	M-STATMOM*	Items to be moved	5	0.35	M/6	M/5	
54	M-STAT-NEWWW	M-STATNEM*	New work	0	0.50	C/4	C/7	
55	M-STAT-NICN	M-STATNIM*	Not in contract	3	0.18	Gr/8	Gr/9	
56	M-STAT-PHS#	M-STATPHM*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	M-STAT-RELO	M-STATREM*	Relocated items	2	0.18	B/5	B/1	
58	M-STAT-TEMP	M-STATTEM*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Mechanical

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphic0			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	M-ANNO-DIMS	M-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	M-ANNO-NPLT	M-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	M-ANNO-PATT	M-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	M-ANNO-SYMB	M-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9
7	M-ANNO-TEXT	M-ANNOTEP-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	M-DETL	M-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP.*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP.*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP.*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP.*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP.*	Discipline: Electrical	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP.*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEPI.*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXR.*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Demolition							
60	E-DEMO	E-DEMO--M.*	Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)	0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM.*	Demolition	2	0.35	M/6	M/5
51	E-STAT-EXST	E-STATEXM.*	Existing to remain	0	0.25	G/3	G/2
53	E-STAT-MOVE	E-STATMOM.*	Items to be moved	5	0.35	M/6	M/5
55	E-STAT-NICN	E-STATNIM.*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM.*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM.*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM.*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: Lighting Plan - Simplified

Level #	Level/Layer Naming		Graphics				
	AIA Format	ISO Format	Level/Layer Description	Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Discipline: Electrical	0	0.18	Gr/8	Gr/8
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only; see Chapter 4)	NA	NA	NA	NA
Lighting							
12	E-LITE	E-LITE-M-	Electrical equipment, junction boxes, switches, lighting fixtures, circuit lines	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Discipline: Electrical

Model File Type: Power Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Power							
10	E-POWR	E-POWER-M-	Electrical equipment, junction boxes, switches, motors/generators, circuit lines	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: Auxiliary Power Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Auxiliary Power							
10	E-AUXL	E-AUXL-M-	Electrical equipment, junction boxes, switches, motors/generators, circuit lines	0	0.50	C/4	C/7
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: Grounding System - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Ground System							
33	E-GRND	E-GRND-M-	Circuits, ground system diagrams, equipotential/reference/lightning protection ground system	0	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: One-Line Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/ID	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Control Circuit							
11	E-CNTL	E-CNTL-M-	Antenna, arrestor valves, batteries, capacitors, circuit boards, contacts, fuses, generators, grounds, meters, motors, overloads, reactors, relays, resistors, switches	V	0.25	G/3	G/2
One-Line Diagram Linework							
41	E-1LIN	E-1LIN-M-	Fine, thin, medium, wide, extra wide one-line linework	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical - Power

Model File Type: Riser Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	E-ANNO-KEYN	E-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	E-ANNO-NOTE	E-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	E-ANNO-TEXT	E-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	E-ANNO-XREF	E-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Riser Diagram Linework							
41	E-RISR	E-RISR-M-	Fine, thin, medium, wide, extra wide riser diagram linework	V	V	V	V
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	E-STAT-DEMO	E-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5
51	E-STAT-EXIST	E-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4
52	E-STAT-FUTR	E-STATFUM-*	Future work	7	0.35	Y/2	Y/4
53	E-STAT-MOVE	E-STATMOM-*	Items to be moved	5	0.35	M/6	M/5
54	E-STAT-NEWW	E-STATNEM-*	New work	0	0.50	C/4	C/7
55	E-STAT-NICN	E-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9
56	E-STAT-PHS#	E-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4
57	E-STAT-RELO	E-STATREM-*	Relocated items	2	0.18	B/5	B/1
58	E-STAT-TEMP	E-STATTEM-*	Temporary work	4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Electrical

Model File Type: Details - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	E-ANNO-DIMS	E-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
3	E-ANNO-NPLT	E-ANNONPP-*	Construction lines, reference targets, area calculations, review comments	V	0.18	B/5	B/1
4	E-ANNO-PATT	E-ANNOPAP-*	Miscellaneous patterning	0	0.18	Gr/8	Gr/9
6	E-ANNO-SYMB	E-ANNOSYP-*	Reference bubbles, matchlines and breaklines	V	0.18	Gr/8	Gr/9
7	E-ANNO-TEXT	E-ANNOTEPE-*	Detail title text, text and associated leaderlines and arrowheads, notes	V	V	V	V
Detail Information							
9	E-DETL	E-DETL--M-	Detail linework	0	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications

Model File Type: Demolition Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-* Witness/extension lines, dimension arrowheads/dots/slashes, dimension text		0	V	V	V
2	T-ANNO-KEYN	T-ANNOKEP-* Keynotes with associated leaderlines and arrowheads, ConDoc keynotes		0	V	V	V
5	T-ANNO-NOTE	T-ANNONOP-* General notes and general remarks		0	0.35	Y/2	Y/4
3	T-ANNO-NPLT	T-ANNONPP-* Construction lines, reference targets, area calculations, review comments, viewport windows		V	0.18	B/5	B/1
4	T-ANNO-PATT	T-ANNOPAP-* Miscellaneous patterning, cross-hatching, poche		0	0.18	Gr/8	Gr/9
6	T-ANNO-SYMB	T-ANNOSYP-* Miscellaneous symbols		V	0.35	M/6	M/5
7	T-ANNO-TEXT	T-ANNOtep-* Miscellaneous text and callouts with associated leaderlines and arrowheads		0	V	V	V
NA	T-ANNO-XREF	T-ANNOXRP-* Reference files (AutoCAD users only, see Chapter 4)		NA	NA	NA	NA
Demolition							
60	T-DEMO	T-DEMO-M-* Hazardous waste (see HTRW Model File Type: Demolition Plan for more extensive projects)		0	0.35	M/6	M/5
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)							
50	T-STAT-DEMO	T-STATDEM-* Demolition		2	0.35	M/6	M/5
51	T-STAT-EXIST	T-STATEXM-* Existing to remain		0	0.25	G/3	G/2
53	T-STAT-MOVE	T-STATMOM-* Items to be moved		5	0.35	M/6	M/5
55	T-STAT-NICH	T-STATNIM-* Not in contract		3	0.18	Gr/8	Gr/9
56	T-STAT-PHS#	T-STATPHM-* Phase numbers (#=1-9)		0	0.35	Y/2	Y/4
57	T-STAT-RELO	T-STATREM-* Relocated items		2	0.18	B/5	B/1
58	T-STAT-TEMP	T-STATTEM-* Temporary work		4	0.50	C/4	C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications

Model File Type: Communication System Plan - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics			
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#
General Information							
1	T-ANNO-DIMS	T-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V
2	T-ANNO-KEYN	T-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V
5	T-ANNO-NOTE	T-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4
3	T-ANNO-NPLT	T-ANNONPP-	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1
4	T-ANNO-PATT	T-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9
6	T-ANNO-SYMB	T-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5
7	T-ANNO-TEXT	T-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V
NA	T-ANNO-XREF	T-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA
Electrical Equipment							
11	T-ELEC	T-ELEC-M-	Identifiers and leaderlines, physical outline of electrical equipment	0	V	V	V
Junction Boxes							
14	T-COMM	T-COMM--M-	Junction boxes	0	0.35	M/6	M/5
Bell System							
16	T-BELL	T-BELL--M-	Identifier tags, symbol modifier, and text, bell system symbols	0	V	V	V
Central Dictation System							
18	T-DICT	T-DICT--M-	Identifier tags, symbol modifier, and text, central dictation system symbols	0	V	V	V
Clock System							
20	T-CLOK	T-CLOK--M-	Identifier tags, symbol modifier, and text, clock system symbols	0	V	V	V
Miscellaneous Alarm System							
22	T-ALRM	T-ALRM--M-	Identifier tags, symbol modifier, and text, miscellaneous alarm system symbols	0	V	V	V
Nurse Call Systems							
24	T-NURS	T-NURS--M-	Identifier tags, symbol modifier, and text, nurse call system symbols	0	V	V	V
Sound System							
26	T-SOUN	T-SOUN--M-	Identifier tags, symbol modifier, and text, sound system symbols	0	V	V	V
Telephone System							
28	T-PHON	T-PHON--M-	Identifier tags, symbol modifier, and text, telephone system symbols	0	V	V	V
Television System							
30	T-CCTV	T-CCTV--M-	Identifier tags, symbol modifier, and text, television antenna system symbols	0	V	V	V
Data/LAN System							
33	T-DATA	T-DATA--M-	Identifier tags, symbol modifier, and text, data/LAN system symbols	0	V	V	V
Intercom/Public Address System							
35	T-INTC	T-INTC--M-	Identifier tags, symbol modifier, and text, intercom/PA system symbols	0	V	V	V
Fire Alarm and Detection Systems							
38	T-FIRE	T-FIRE--M-	Identifier tags, symbol modifier, and text, fire alarm and detection system symbols	0	V	V	V
Energy Monitoring Control Systems							
40	T-EMCS	T-EMCS--M-	Identifier tags, symbol modifier, and text, energy monitoring control system symbols	0	V	V	V
Security Systems							
42	T-SERT	T-SERT--M-	Identifier tags, symbol modifier, and text, security system symbols	0	V	V	V
Wiring System							
44	T-COMM	T-COMM--M-	Coax cable, fiber optics cable, cable identifiers, multi-conductor cable, cable tray and wireway symbols	V	V	V	V

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

Discipline: Telecommunications**Model File Type: Communication System Plan - Simplified**

Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)					
50	T-STAT-DEMO	T-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35 M/6 M/5
51	T-STAT-EXIST	T-STATEXIM-*	Existing to remain	0	0.35 Y/2 Y/4
52	T-STAT-FUTR	T-STATFUM-*	Future work	7	0.35 Y/2 Y/4
53	T-STAT-MOVE	T-STATMOM-*	Items to be moved	5	0.35 M/6 M/5
54	T-STAT-NEWW	T-STATNEM-*	New work	0	0.50 C/4 C/7
55	T-STAT-NICH	T-STATNIM-*	Not in contract	3	0.18 Gr/8 Gr/9
56	T-STAT-PHS#	T-STATPHM-*	Phase numbers (#=1-9)	0	0.35 Y/2 Y/4
57	T-STAT-RELO	T-STATREM-*	Relocated items	2	0.18 B/5 B/1
58	T-STAT-TEMP	T-STATTEM-*	Temporary work	4	0.50 C/4 C/7

V=Varies, NA=Not Applicable

Appendix C Simplified Model File Level/Layer Assignment Tables * Non-compliant with ISO 13567, see Chapter 4, section "ISO Format"

C99

Discipline: Telecommunications

Model File Type: Block/Riser Diagrams - Simplified

Level #	Level/Layer Naming		Level/Layer Description	Graphics				
	AIA Format	ISO Format		Line Style	Line Width (mm)	AutoCAD Line Color/#	MicroStation Line Color/#	
General Information								
1	T-ANNO-DIMS	T-ANNODIP-*	Witness/extension lines, dimension arrowheads/dots/slashes, dimension text	0	V	V	V	
2	T-ANNO-KEYN	T-ANNOKEP-*	Keynotes with associated leaderlines and arrowheads, ConDoc keynotes	0	V	V	V	
5	T-ANNO-NOTE	T-ANNONOP-*	General notes and general remarks	0	0.35	Y/2	Y/4	
3	T-ANNO-NPLT	T-ANNONPP-*	Construction lines, reference targets, area calculations, review comments, viewport windows	V	0.18	B/5	B/1	
4	T-ANNO-PATT	T-ANNOPAP-*	Miscellaneous patterning, cross-hatching, poche	0	0.18	Gr/8	Gr/9	
6	T-ANNO-SYMB	T-ANNOSYP-*	Miscellaneous symbols	V	0.35	M/6	M/5	
7	T-ANNO-TEXT	T-ANNOTEP-*	Miscellaneous text and callouts with associated leaderlines and arrowheads	0	V	V	V	
NA	T-ANNO-XREF	T-ANNOXRP-*	Reference files (AutoCAD users only, see Chapter 4)	NA	NA	NA	NA	
Block/Riser Diagram Linework								
41	T-RISR	T-RISR-M-	Fine, thin, medium, wide, or extra wide block/riser linework	V	V	V	V	
Status Layers (Note: Levels/Layers representing the dominant type of work (status) are listed above and have no status)								
50	T-STAT-DEMO	T-STATDEM-*	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	2	0.35	M/6	M/5	
51	T-STAT-EXIST	T-STATEXM-*	Existing to remain	0	0.35	Y/2	Y/4	
52	T-STAT-FUTR	T-STATFUM-*	Future work	7	0.35	Y/2	Y/4	
53	T-STAT-MOVE	T-STATMOM-*	Items to be moved	5	0.35	M/6	M/5	
54	T-STAT-NEWW	T-STATNEM-*	New work	0	0.50	C/4	C/7	
55	T-STAT-NICN	T-STATNIM-*	Not in contract	3	0.18	Gr/8	Gr/9	
56	T-STAT-PHS#	T-STATPHM-*	Phase numbers (#=1-9)	0	0.35	Y/2	Y/4	
57	T-STAT-RELO	T-STATREM-*	Relocated items	2	0.18	B/5	B/1	
58	T-STAT-TEMP	T-STATTEM-*	Temporary work	4	0.50	C/4	C/7	

V=Varies, NA=Not Applicable

Appendix D

Tri-Service Optional Drawing Type Codes

Appendix D

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>General (G)</i>		
	BS	Border Sheet
	KP	Keyplan
<i>Survey and Mapping (V)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	SC*	Section
	SP	Survey/Mapping Plan
<i>HTRW/Environmental (H)</i>		
	3D*	Isometric/3D
	AB	Asbestos Sample Location
	DD	Demolition Basin Detail
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	ED	Evapotranspiration Bed Detail
	EL*	Elevation
	EP*	Enlarged Plan
	EV	Environmental Plan
	FD	Leachate Field Detail
	GC	Gas Collection System Detail
	GD	Ground Storage Reservoir Detail
	HP	Hydraulic Profile
	LC	Leachate Collection Detail
	LD	Lift Station Detail
	LF	Landfill Liner and Cover Detail
	LP	Lead Paint Sample Location
	OD	Oil Water Separator Detail
	PP	Pollution Prevention Plan
	QP*	Equipment Plan
	SC*	Section
	SD	Spill Containment Detail

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>HTRW/Environmental (H) (continued)</i>		
	ST	Septic Tank Detail
	WD	Water Supply Building Detail
	WP	Water Treatment Plan
	WT	Elevated Water Tank Detail
	WW	Wastewater Treatment Plan
<i>Civil/Site (C)</i>		
	3D*	Isometric/3D
	AF	Airfield Plan
	AI	Airfield Paving Plan
	AP	Apron Striping Plan
	BL	Boring Location
	CP	Channel Plan
	CS	Cross Section
	DD	Storm Drainage Detail
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	DU	Utility Detail
	EC	Erosion Control Plan
	ED	Erosion Control Detail
	EL*	Elevation
	EP*	Enlarged Plan
	FD	Fence Detail
	GP*	Grading Plan
	IP	Installation Plan
	JD	Joint Detail
	JE	Joint Elevation Plan
	JP	Joint Layout Plan
	KP	Staking Plan
	LD	Lift Station Detail
	LP	Layout Plan
	OD	Oil Water Separator Detail
	PD	Pavement Detail
	PI	Piping Plan
	PL	Project Location Map
	PM	Pavement Marking Plan

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Civil/Site (C) (continued)</i>		
	PV	Pavement Plan
	QP	Equipment Plan
	RP*	Road Plan
	SC*	Section
	SM	Sanitary Manhole Detail
	SP*	Site Plan
	SR	Sanitary Sewer Profile
	SS	Sanitary Sewer Plan
	SV*	Survey Plan
	TP	Topography Plan
	TS	Transportation Site Plan
	TX	Topography Plan - Demolition
	UP*	Utility Plan
	WD	Water Detail
	WP	Water Line Profile
<i>Civil Works (W)</i>		
	3D*	Isometric/3D
	CP	Civil Works Plan
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged PLan
	QP*	Equipment Plan
<i>Geotechnical (B)</i>		
	3D*	Isometric/3D
	BL	Boring Location
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	LB	Boring Log

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Geotechnical (B) (continued)</i>		
	SC*	Section
	SP	Soil Profile
<i>Utilities (U)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EC	ECMS Plan
	EL*	Elevation
	EP*	Enlarged Plan
	EU	Electrical Utilities Plan
	FU	Fuel Utilities Plan
	GA	Gas Utilities Plan
	GE	General
	HT	HTCW Utilities Plan
	QP*	Equipment Plan
	SC*	Section
	WA	Domestic Water Plan
<i>Landscape Architecture (L)</i>		
	3D*	Isometric/3D
	AD	Arbor Detail
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	IP	Irrigation Plan
	LP	Landscape Plan
	QP*	Equipment Plan
<i>Structural (S)</i>		
	3D*	Isometric/3D
	CP	Column Plan
	DG*	Diagram
	DP*	Demolition Plan

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Structural (S) (continued)</i>		
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	FD	Foundation Detail
	FP	Foundation Plan
	FS	Foundation Section
	JL	Joist Girder Load Diagram
	MD	Masonry Detail
	PP	Precast Panel Layout Plan
	QP*	Equipment Plan
	RD	Roof Framing Detail
	RF	Roof Framing Plan
	RP	Reinforcement Plan
	RS	Roof Framing Section
	SC*	Section
	SF	Stair Framing Plan
	TB	Truss Bracing Plan
	TE	Truss Elevation
	WG	Wind Girt Elevation
<i>Architectural (A) (continued)</i>		
	3D*	Isometric/3D
	AC	Area Calculations
	BE	Building Elevation
	BS	Building Section
	CP*	Reflective Ceiling Plan
	CW	Casework Detail
	DD	Door Detail
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	ED	Exterior Detail
	EL*	Elevation
	EP*	Enlarged Plan
	FP*	Floor Plan
	IE	Interior Elevation
	KP	Keyplan

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Architectural (A) (continued)</i>		
	LS	Life Safety Plan
	NP*	Finish Plan
	QP*	Equipment Plan
	RP	Roof Plan
	SC*	Section
	WD	Window Detail
	WS	Wall Section
<i>Interior Design (I)</i>		
	3D*	Isometric/3D
	AP	Artwork Placement Plan
	CP*	Ceiling Plan
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	NP*	Finish Plan
	QP*	Equipment Plan
	RP*	Furniture Plan
	SC*	Section
	SD	Signage Detail
	SP	Signage Placement Plan
	WP	System/Prewired Workstation Plan
	WT	System/Prewired Workstation Typical
<i>Equipment (Q)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	KP	Kitchen Plan
	QP*	Equipment Plan
	SC*	Section
	SP	Security Plan

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Fire Protection/Suppression (F)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	FS	Fire Suppression Plan
	KP*	Sprinkler Plan
	QP*	Equipment Plan
	SC*	Section
	VP*	Evacuation Plan
<i>Plumbing (P)</i>		
	3D*	Isometric/3D
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	PP*	Plumbing Plan
	PR	Plumbing Riser Diagram
<i>Mechanical (M)</i>		
	3D*	Isometric/3D
	CD	Control Detail
	CP*	Control Plan
	CS	Control Schematic
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EM	EMCS Plan
	EP*	Enlarged Plan
	HC	HVAC Condensate Riser Diagram
	HD	HVAC Detail
	HP*	HVAC Ductwork Plan
	HR	HVAC Riser Diagram
	HX	HVAC Demolition Plan
	MD	Machine Design Plan

Appendix D (Continued)

Tri-Service Optional Drawing Type Codes

Discipline	Code	Definition
<i>Mechanical (M) (continued)</i>		
	MH	Material Handling Plan
	PP*	Piping Plan
	QP*	Equipment Plan
	SC*	Section
	SP	Specialty Piping Plan
<i>Electrical (E)</i>		
	3D*	Isometric/3D
	AP	Auxiliary Power Plan
	CP*	Communication Plan
	CR	Communication Riser
	CX	Communication Demolition Plan
	DG*	Diagram
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	GP*	Grounding Plan
	LD	Lighting Fixture Detail
	LP*	Lighting Plan
	LR	Lighting Protection Plan
	LX	Lighting Plan - Demolition
	PP*	Power Plan
	PR	Power Riser
	PX	Power Plan - Demolition
	QP*	Equipment Plan
	SC*	Section
<i>Telecommunications (T)</i>		
	3D*	Isometric/3D
	CD	Communication System Plan
	DG*	Diagram
	DA*	Data Plan
	DP*	Demolition Plan
	DT*	Detail
	EL*	Elevation
	EP*	Enlarged Plan
	QP*	Equipment Plan
	SC*	Section
	TP*	Telephone Plan